

# Converting Colors

XYZ(78.5220, 83.4645, 91.7115)

Have a look what the booklet for  
XYZ(78.5220, 83.4645, 91.7115)  
contains.

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# Color

**XYZ(78.8490, 83.8386,  
92.1474)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8EDED
RGB	232, 237, 237
RGB Percent	91%, 93%, 93%
CMY	0.0902, 0.0706, 0.0706
CMYK	0.02, 0.00, 0.00, 0.07
HSL	180°, 12%, 92%
HSV	180°, 2%, 93%
XYZ	78.8490, 83.8386, 92.1474
YIQ	235.5050, -2.9800, -1.0600

# Conversions

## Conversions Part 2

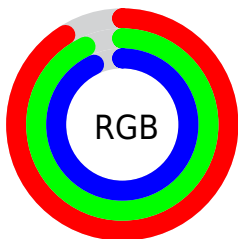
Format	Color
RYB	232, 235, 237
Decimal	15265261
CIELab	93.38, -1.66, -0.59
CIELCh	93, 1.759, 199.644
Yxy	83.8386, 0.3094, 0.3290
Android (android.graphics.Color)	4293455341 (0xFFE8EDED)
YUV	235.5050, 0.7370, -3.0739
Hunter-Lab	91.5634, -6.5223, 4.4263

# Details

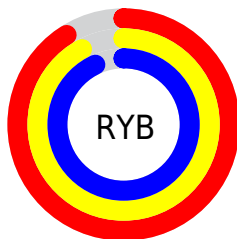
The XYZ color **78.8490, 83.8386, 92.1474** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **78.3503, 81.5463, 87.9587**, and the grayscale version is **79.3488, 83.4811, 90.9109**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7689, 45.6140, 50.2663** is the 20% darker color. If you saturate the color by 10%, you get **71.6666, 80.1386, 91.7989**, and if you desaturate by 10%, it is **86.8148, 87.9471, 92.5360**.

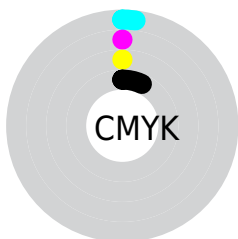
# Distribution



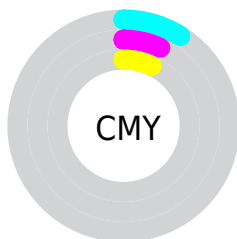
- Red (91%)
- Green (93%)
- Blue (93%)



- Red (91%)
- Yellow (92%)
- Blue (93%)



- Cyan (2%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (9%)
- Magenta (7%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.8490, 83.8386, 92.1474 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 78.8490, 83.8386, 92.1474 by changing the saturation by 10% instead.



■ 78.8490, 83.8386,  
92.1474

■ 78.8490, 83.8386,  
92.1474

479.8412,  
507.7771, 555.7411

■ 59.0769, 62.8822,  
69.1793

130.7053,  
138.7494, 152.2791

■ 42.9216, 45.7459,  
50.3851

163.5202,  
173.4725, 190.2799

■ 30.0179, 32.0454,  
35.3462

201.4134,  
213.5534, 234.1287

■ 20.0003, 21.3961,  
23.6440

244.7502,  
259.3764, 284.2439

■ 12.5035, 13.4139,  
14.8600

293.8961,  
311.3258, 341.0443

■ 7.1622, 7.7142,  
8.5756

349.2163,

■ 3.6110, 3.9126,

369.7862, 404.9482

4.3724

411.0762,  
435.1418, 476.3743

■ 1.4845, 1.6248,  
1.8318

■ 0.3152, 0.3742,  
0.4488

■ 78.8490, 83.8386,  
92.1474

■ 78.8490, 83.8386,  
92.1474

■ 71.6666, 80.1386,  
91.7989

■ 86.8148, 87.9471,  
92.5360

■ 65.4781, 76.9486,  
91.4953

■ 86.8175, 87.9482,  
92.5502

■ 60.2418, 74.2495,  
91.2362

■ 86.8202, 87.9493,  
92.5643

■ 55.9106, 72.0170,  
91.0194

■ 86.8228, 87.9504,  
92.5785

■ 52.4331, 70.2246,  
90.8426

■ 86.8255, 87.9515,  
92.5927

■ 49.7528, 68.8432,  
90.7031

■ 86.8282, 87.9525,  
92.6069

■ 47.8066, 67.8402,  
90.5980

■ 86.8309, 87.9536,  
92.6211

■ 46.5217, 67.1781,  
90.5238

■ 86.8336, 87.9547,  
92.6353

■ 45.8105, 66.8118,  
90.4765

■ 86.8363, 87.9558,  
92.6495

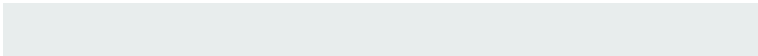
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8119, 83.8386, 90.8275



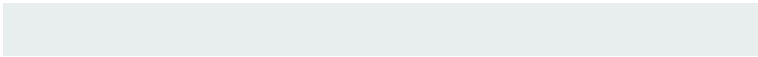
78.8490, 83.8386, 92.1474



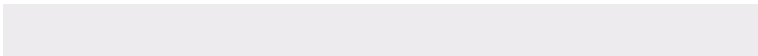
79.1099, 83.8386, 93.2464

# Triad

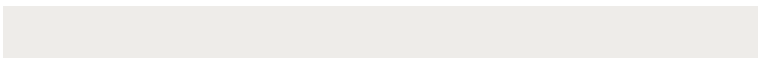
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.8490, 83.8386, 92.1474



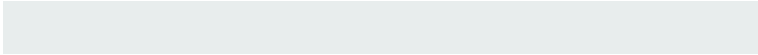
80.3677, 83.8386, 92.9501



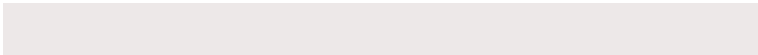
79.8465, 83.8386, 88.7962

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



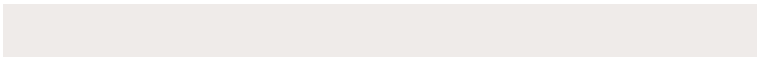
78.8490, 83.8386, 92.1474



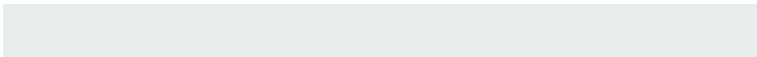
78.3503, 81.5463, 87.9587

# Split Complementary

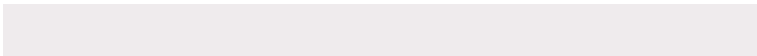
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2650, 83.8386, 89.3532



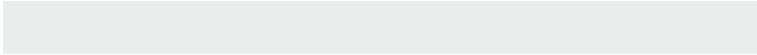
78.8490, 83.8386, 92.1474



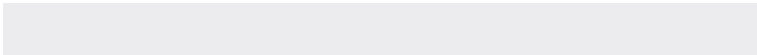
80.5667, 83.8386, 91.7460

# Square

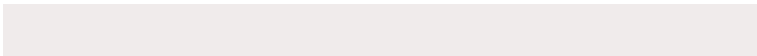
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



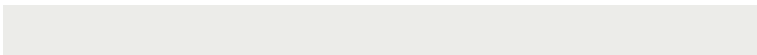
78.8490, 83.8386, 92.1474



79.9863, 83.8386, 93.7129



80.5291, 83.8386, 90.4300

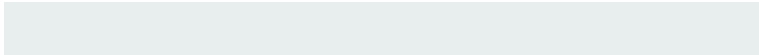


79.3866, 83.8386, 88.9013



# Rectangle

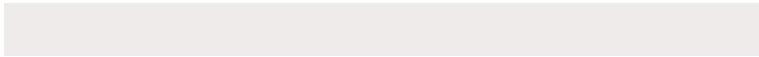
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



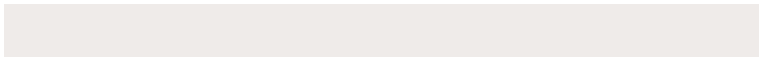
78.8490, 83.8386, 92.1474



79.3762, 83.8386, 93.7019



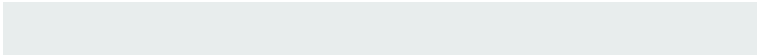
80.5291, 83.8386, 90.4300



79.9967, 83.8386, 88.9120

# Sweetspot

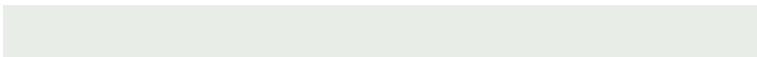
The Sweet Spot groups the original color and five complimentary colors.



78.8514, 83.8422, 92.1492



94.1177, 99.5194, 108.8547



78.1579, 83.5679, 88.3562



20.1549, 21.3063, 23.2999



0.0000, 0.0000, 0.0000

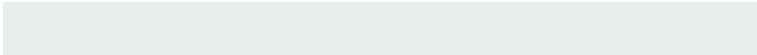


20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8514, 83.8422, 92.1492



92.2904, 98.5775, 108.7659



78.1564, 82.4513, 91.9204



16.3844, 17.5687, 19.4487



24.8652, 36.4006, 49.3827



1.9527, 2.8584, 3.8786

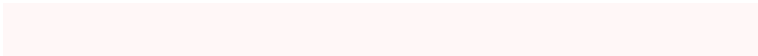


# Inverse Universe

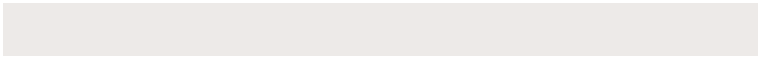
The Inverse Universe completely reimagines the original color for something new.



78.3503, 81.5463, 87.9587



91.4514, 94.7332, 101.7493



79.0353, 82.9170, 88.1843



16.1968, 16.7092, 17.8799



19.0686, 9.8301, 0.8964

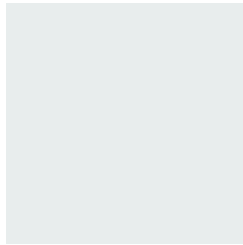


1.4975, 0.7720, 0.0713



# Previews

## White Background



This preview shows how the XYZ color 78.8490, 83.8386, 92.1474 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

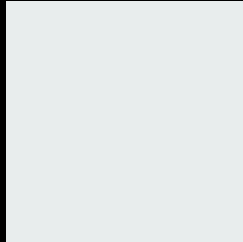
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.8490, 83.8386, 92.1474 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

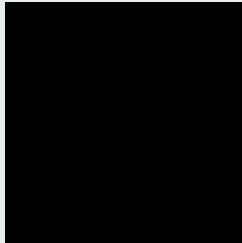
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

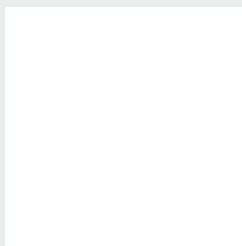
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 78.8490, 83.8386, 92.1474**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.8490, 83.8386, 92.1474.



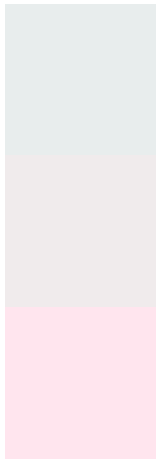
This preview shows how white text looks on a background with the XYZ color 78.8490, 83.8386,

92.1474.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

78.8490, 83.8386, 92.1474

### Protanopia

80.7838, 83.9981, 91.3124

### Deuteranopia

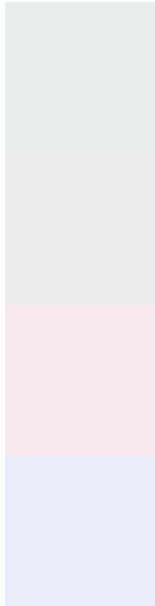
84.6919, 83.4717, 92.5368



## Tritanopia

81.6989, 84.1707, 104.8691

# Trichromacy



## Original Color

78.8490, 83.8386, 92.1474

## Protanomaly

80.0608, 84.0516, 91.3608

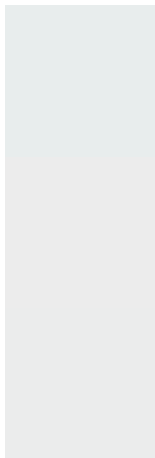
## Deuteranomaly

82.6470, 83.6604, 92.6810

## Tritanomaly

80.7156, 84.1987, 99.9935

# Monochromacy



## Original Color

78.8490, 83.8386, 92.1474

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.3967, 83.7092, 91.3297

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.8490, 83.8386, 92.1474 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(232, 237, 237) looks like.

```
.text, #text, p{  
    color:rgb(232, 237, 237)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(232, 237, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 237, 237) }
```

## Border

The CSS property to change the border of an element to XYZ 78.8490, 83.8386, 92.1474 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(232, 237, 237) }
```



If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(232, 237, 237) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(232, 237, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 237, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 237, 237);  
box-shadow:4px 4px 4px 4px rgb(232, 237,  
237) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.8490, 83.8386, 92.1474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 237, 237) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(232,  
237, 237) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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