

# Converting Colors

XYZ(77.6660, 83.8156, 93.2599)

Have a look what the booklet for  
XYZ(77.6660, 83.8156, 93.2599)  
contains.

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# Color

**XYZ(77.3712, 83.4909,  
92.9264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2EEEE
RGB	226, 238, 238
RGB Percent	89%, 93%, 93%
CMY	0.1137, 0.0666, 0.0667
CMYK	0.05, 0.00, 0.00, 0.07
HSL	180°, 26%, 91%
HSV	180°, 5%, 93%
XYZ	77.3712, 83.4909, 92.9264
YIQ	234.4120, -7.1520, -2.5440

# Conversions

## Conversions Part 2

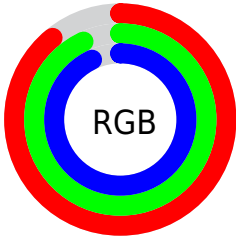
Format	Color
<b>R<sub>YB</sub></b>	226, 232, 238
Decimal	14872302
CIE Lab	93.23, -3.96, -1.38
CIE LCh	93, 4.193, 199.275
Yxy	83.4909, 0.3049, 0.3290
Android (android.graphics.Color)	4293062382 (0xFFE2EEEE)
YUV	234.4120, 1.7689, -7.3773
Hunter-Lab	91.3734, -8.7569, 3.6636

# Details

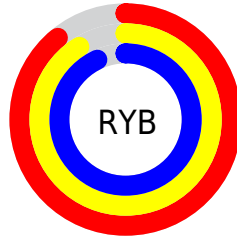
The XYZ color **77.3712, 83.4909, 92.9264** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **76.1868, 78.0631, 83.0077**, and the grayscale version is **78.5118, 82.6006, 89.9520**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9660, 45.4912, 50.8248** is the 20% darker color. If you saturate the color by 10%, you get **70.4195, 79.9096, 92.5970**, and if you desaturate by 10%, it is **85.3636, 87.6133, 93.3079**.

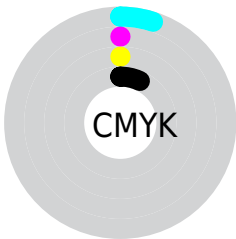
# Distribution



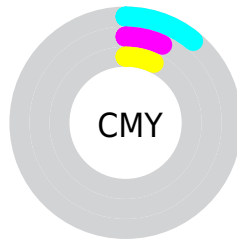
- Red (89%)
- Green (93%)
- Blue (93%)



- Red (89%)
- Yellow (91%)
- Blue (93%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3712, 83.4909, 92.9264 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 77.3712, 83.4909, 92.9264 by changing the saturation by 10% instead.



■ 77.3712, 83.4909,  
92.9264

■ 77.3712, 83.4909,  
92.9264

474.9013,  
506.6211, 558.3189

■ 57.8586, 62.5952,  
69.8230

128.6334,  
138.2628, 153.3675

■ 41.9378, 45.5138,  
50.9063

161.1137,  
172.9078, 191.5424

■ 29.2435, 31.8623,  
35.7579

198.6472,  
212.9047, 235.5781

■ 19.4103, 21.2564,  
23.9590

241.5994,  
258.6378, 285.8932

■ 12.0729, 13.3115,  
15.0913

290.3355,  
310.4916, 342.9063

■ 6.8659, 7.6434,  
8.7362

345.2210,

■ 3.4239, 3.8676,

368.8505, 407.0360

4.4750

406.6211,  
434.0989, 478.7006

■ 1.3817, 1.5998,  
1.8894

■ 0.2431, 0.3575,  
0.4860

■ 77.3712, 83.4909,  
92.9264

■ 77.3712, 83.4909,  
92.9264

■ 70.4195, 79.9096,  
92.5970

■ 85.3636, 87.6133,  
93.3079

■ 64.4590, 76.8370,  
92.3123


■ 87.2512, 88.5863,  
93.4020


■ 59.4466, 74.2531,  
92.0720


■ 87.2523, 88.5867,  
93.4078


■ 55.3336, 72.1329,  
91.8738


■ 87.2534, 88.5872,  
93.4136


 52.0668, 70.4489,  
91.7151


 87.2545, 88.5876,  
93.4195


 49.5872, 69.1708,  
91.5933


 87.2556, 88.5881,  
93.4253


 47.8286, 68.2643,  
91.5052

 87.2567, 88.5885,  
93.4311

 46.7137, 67.6897,  
91.4473

 87.2578, 88.5889,  
93.4369

 46.1479, 67.3981,  
91.4151

 87.2589, 88.5894,  
93.4427

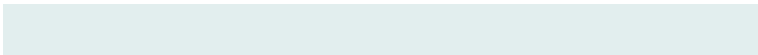
# Harmonies

## Analogous

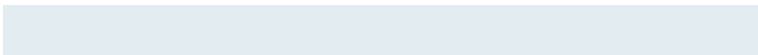
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.2908, 83.4909, 89.7822



77.3712, 83.4909, 92.9264



77.9805, 83.4909, 95.5868

# Triad

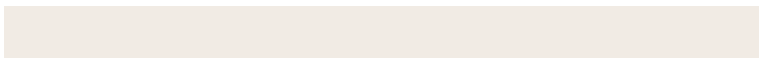
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.3712, 83.4909, 92.9264



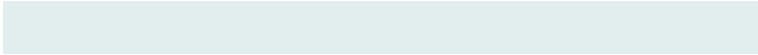
80.9731, 83.4909, 94.9265



79.7508, 83.4909, 85.0714

# Complementary

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



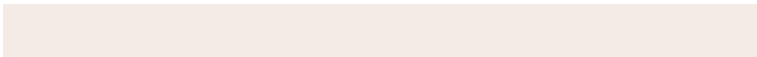
77.3712, 83.4909, 92.9264



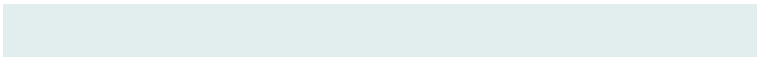
76.1868, 78.0631, 83.0077

# Split Complementary

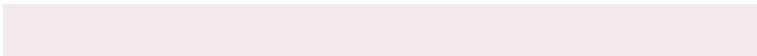
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7468, 83.4909, 86.3833



77.3712, 83.4909, 92.9264



81.4568, 83.4909, 92.0420

# Square

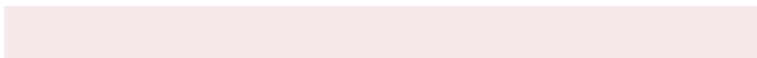
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3712, 83.4909, 92.9264



80.0575, 83.4909, 96.7599



81.3736, 83.4909, 88.9179



78.6578, 83.4909, 85.2958

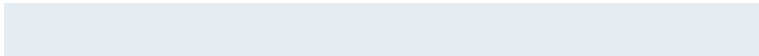


# Rectangle

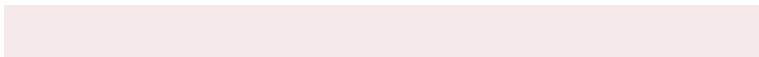
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



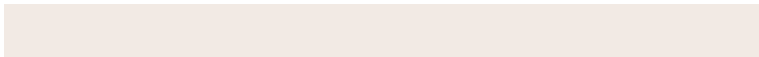
77.3712, 83.4909, 92.9264



78.6077, 83.4909, 96.7051



81.3736, 83.4909, 88.9179



80.1082, 83.4909, 85.3462

# Sweetspot

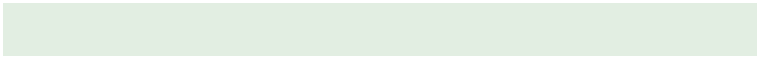
The Sweet Spot groups the original color and five complimentary colors.



77.3736, 83.4944, 92.9282



93.1983, 99.0454, 108.8120



75.7312, 82.8447, 83.9520



19.9676, 21.2098, 23.2912



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

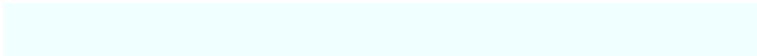


# Same Dimension

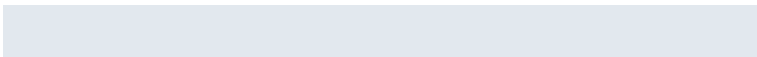
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3736, 83.4944, 92.9282



89.6426, 97.2125, 108.6429



75.7120, 80.1704, 92.3771



16.6930, 18.1587, 20.3459



25.6613, 37.5565, 50.9928



2.1348, 3.1244, 4.2425

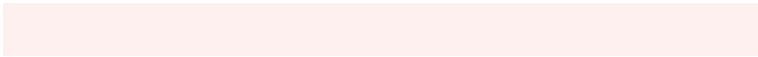


# Inverse Universe

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



76.1868, 78.0631, 83.0077



87.9962, 89.6774, 94.8799



77.7908, 81.2719, 83.5398



16.3546, 16.6099, 17.5170



19.6718, 10.1411, 0.9223

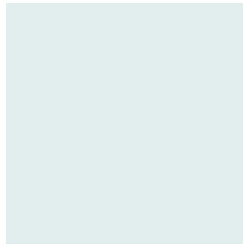


1.6366, 0.8437, 0.0771



# Previews

## White Background



This preview shows how the XYZ color 77.3712, 83.4909, 92.9264 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

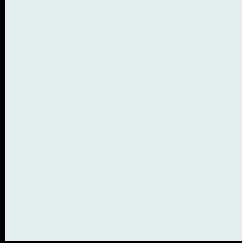
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.3712, 83.4909, 92.9264 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

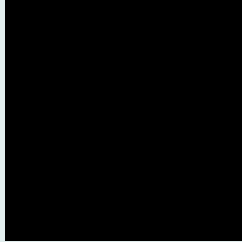
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

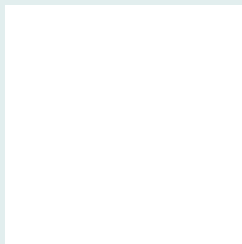
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 77.3712, 83.4909, 92.9264

## Background



This preview shows how black text looks on a background with the XYZ color 77.3712, 83.4909, 92.9264.



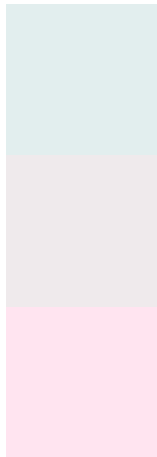
This preview shows how white text looks on a background with the XYZ color 77.3712, 83.4909,

92.9264.

# 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

77.3712, 83.4909, 92.9264

### Protanopia

80.1597, 83.2525, 91.2013

### Deuteranopia

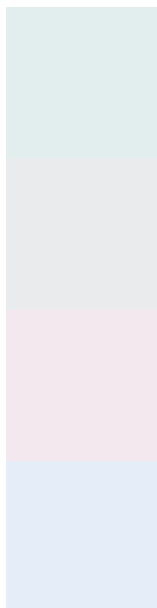
84.7116, 83.0381, 94.0012



## Tritanopia

80.1979, 83.8047, 105.7150

# Trichromacy



## Original Color

77.3712, 83.4909, 92.9264

## Protanomaly

78.9261, 83.0235, 91.9861

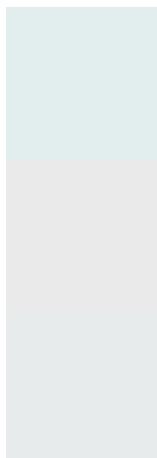
## Deuteranomaly

81.7448, 83.1783, 93.4080

## Tritanomaly

79.2224, 83.8397, 100.8141

# Monochromacy



## Original Color

77.3712, 83.4909, 92.9264

## Achromatopsia

78.2058, 82.2786, 89.6014

## Achromatomaly

77.6587, 82.4037, 90.4097

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3712, 83.4909, 92.9264 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(226, 238, 238) looks like.

```
.text, #text, p{  
    color:rgb(226, 238, 238)  
}
```

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(226, 238, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 238, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3712, 83.4909, 92.9264 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(226, 238, 238) }
```



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

```
.border{ border-color:rgb(226, 238, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 238, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 238, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 238, 238);  
box-shadow:4px 4px 4px 4px rgb(226, 238,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3712, 83.4909, 92.9264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 238, 238) }
```

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

```
.background{ background-color: rgb(226,  
238, 238) }
```

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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