

# Converting Colors

XYZ(76.6070, 78.7353, 83.8626)

Have a look what the booklet for  
XYZ(76.6070, 78.7353, 83.8626)  
contains.

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# Color

**XYZ(76.5941, 78.6614,  
83.8193)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EEE3E3
RGB	238, 227, 227
RGB Percent	93%, 89%, 89%
CMY	0.0667, 0.1098, 0.1098
CMYK	0.00, 0.05, 0.05, 0.07
HSL	0°, 24%, 91%
HSV	0°, 5%, 93%
XYZ	76.5941, 78.6614, 83.8193
YIQ	230.2890, 6.5560, 2.3320

# Conversions

## Conversions Part 2

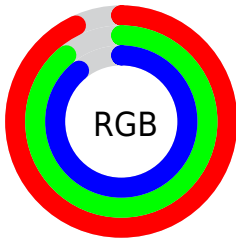
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 227, 227
Decimal	15655907
CIE Lab	91.08, 3.73, 1.32
CIE LCh	91, 3.961, 19.529
Yxy	78.6614, 0.3204, 0.3290
Android (android.graphics.Color)	4293845987 (0xFFEEE3E3)
YUV	230.2890, -1.6215, 6.7625
Hunter-Lab	88.6913, -1.0565, 6.0508

# Details

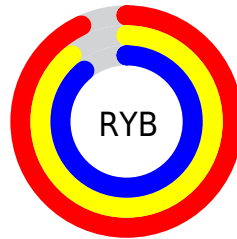
The XYZ color **76.5941, 78.6614, 83.8193** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.6855, 83.6516, 92.9418**, and the grayscale version is **75.4379, 79.3665, 86.4302**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4903, 42.4287, 45.0325** is the 20% darker color. If you saturate the color by 10%, you get **67.4705, 65.3121, 65.6763**, and if you desaturate by 10%, it is **87.0754, 93.9974, 104.6570**.

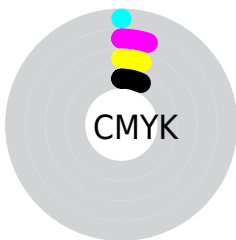
# Distribution



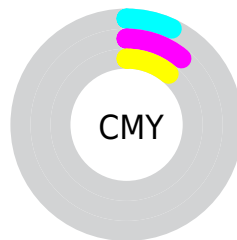
- Red (93%)
- Green (89%)
- Blue (89%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5941, 78.6614, 83.8193 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 76.5941, 78.6614, 83.8193 by changing the saturation by 10% instead.



76.5941, 78.6614,  
83.8193

76.5941, 78.6614,  
83.8193

472.2922,  
490.4101, 527.7553

57.2186, 58.6175,  
62.3217

127.5422,  
131.4821, 140.5818

41.4216, 42.3053,  
44.8552

159.8456,  
165.0276, 176.6839

28.8378, 29.3404,  
31.0013

197.1888,  
203.8424, 218.4912

19.1018, 19.3385,  
20.3414

239.9374,  
248.3110, 266.4223

11.8483, 11.9151,  
12.4569

288.4567,  
298.8176, 320.8957

6.7119, 6.6859,  
6.9293

343.1120,

3.3273, 3.2664,

355.7468, 382.3300

3.3402

404.2687,  
419.4828, 451.1437

■ 1.3291, 1.2724,  
1.2708

■ 0.2049, 0.1197,  
0.0377

■ 76.5941, 78.6614,  
83.8193

■ 76.5941, 78.6614,  
83.8193

■ 67.4705, 65.3121,  
65.6763

■ 87.0754, 93.9974,  
104.6570

■ 59.6427, 53.8585,  
50.1132

■ 89.0703, 96.9173,  
108.6202

■ 53.0542, 44.2179,  
37.0144

■ 47.6413, 36.2973,  
26.2536

■ 43.3350, 29.9957,  
17.6934

■ 40.0589, 25.2015,  
11.1819

■ 37.7270, 21.7888,  
6.5479

■ 36.2395, 19.6115,  
3.5929

■ 35.4741, 18.4908,  
2.0735

# Harmonies

## Analogous

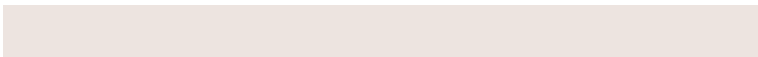
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6741, 78.6614, 86.6546



76.5941, 78.6614, 83.8193



76.0216, 78.6614, 81.5234

# Triad

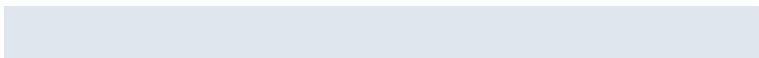
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5941, 78.6614, 83.8193



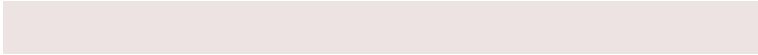
73.3106, 78.6614, 82.1205



74.4160, 78.6614, 91.1848

# Complementary

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



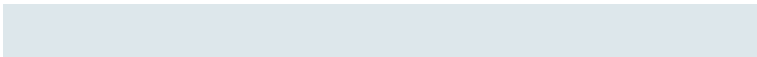
76.5941, 78.6614, 83.8193



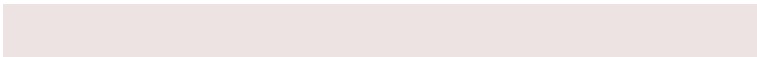
77.6855, 83.6516, 92.9418

# 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.



73.5229, 78.6614, 89.9113



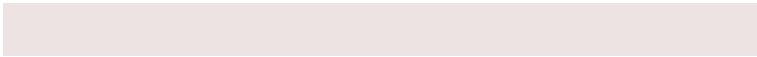
76.5941, 78.6614, 83.8193



72.8885, 78.6614, 84.6510

# Square

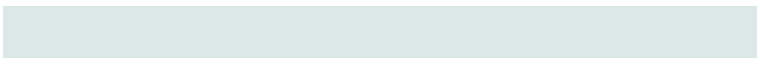
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



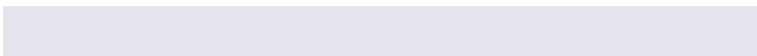
76.5941, 78.6614, 83.8193



74.1237, 78.6614, 80.5578



72.9658, 78.6614, 87.5049



75.4106, 78.6614, 90.9501



# Rectangle

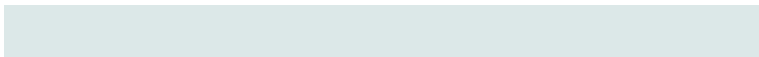
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



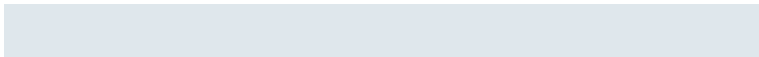
76.5941, 78.6614, 83.8193



75.4405, 78.6614, 80.5876



72.9658, 78.6614, 87.5049



74.0942, 78.6614, 90.9178

# Sweetspot

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



76.5963, 78.6648, 83.8210



93.8343, 98.2212, 106.4828



78.1626, 79.2895, 92.0746



20.0972, 21.0421, 22.8172



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.



76.5963, 78.6648, 83.8210



87.9972, 89.6805, 94.8767



78.1236, 81.7194, 84.3301



16.3548, 16.6106, 17.5164



19.6722, 10.1425, 0.9209



1.6367, 0.8441, 0.0767

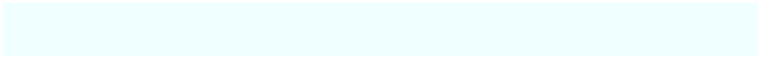


# Inverse Universe

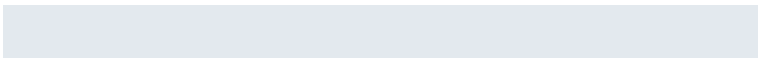
The Inverse Universe completely reimagines the original color for something new.



77.6855, 83.6516, 92.9418



89.6416, 97.2091, 108.6464



76.1098, 80.5002, 92.4165



16.6928, 18.1580, 20.3467



25.6531, 37.5303, 51.0199

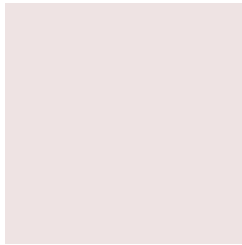


2.1343, 3.1225, 4.2444



# Previews

## White Background



This preview shows how the XYZ color 76.5941, 78.6614, 83.8193 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

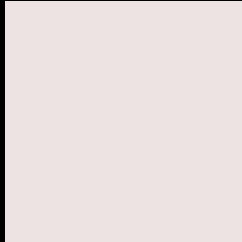
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.5941, 78.6614, 83.8193 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

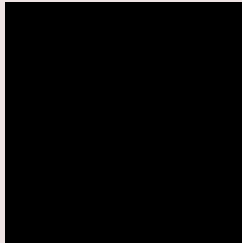
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

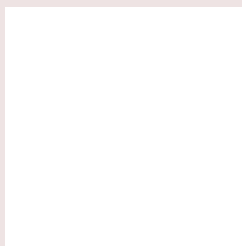
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.5941, 78.6614, 83.8193**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.5941, 78.6614, 83.8193.



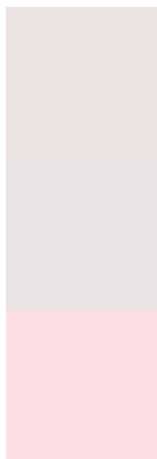
This preview shows how white text looks on a background with the XYZ color 76.5941, 78.6614,



# 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

76.5941, 78.6614, 83.8193

### Protanopia

75.6787, 78.5807, 84.5777

### Deuteranopia

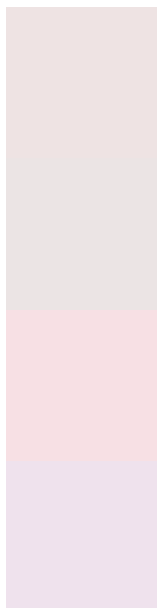
80.2698, 78.5394, 84.3277



## Tritanopia

78.8874, 78.7865, 95.0539

# Trichromacy



## Original Color

76.5941, 78.6614, 83.8193

## Protanomaly

76.0079, 78.7504, 84.5931

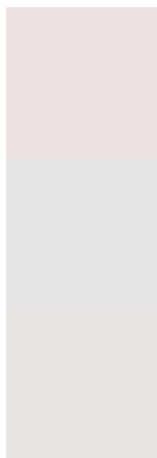
## Deuteranomaly

79.0170, 78.6869, 84.4222

## Tritanomaly

78.0790, 78.8579, 91.2266

# Monochromacy



## Original Color

76.5941, 78.6614, 83.8193

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.7664, 79.0194, 85.3877

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.5941, 78.6614, 83.8193 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(238, 227, 227) looks like.

```
.text, #text, p{  
    color:rgb(238, 227, 227)  
}
```

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(238, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 227, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 76.5941, 78.6614, 83.8193 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(238, 227, 227) }
```



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

```
.border{ border-color:rgb(238, 227, 227) }
```

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

Here you see how a box with a 4 pixel rgb(238, 227, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 227, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 227, 227);  
box-shadow:4px 4px 4px 4px rgb(238, 227,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.5941, 78.6614, 83.8193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 227, 227) }
```

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

```
.background{ background-color: rgb(238,  
227, 227) }
```

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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