

# Converting Colors

XYZ(71.1806, 74.8875, 81.5525)

Have a look what the booklet for  
XYZ(71.1806, 74.8875, 81.5525)  
contains.

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# Color

**XYZ(70.8507, 74.5404,  
81.1745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E0E0
RGB	224, 224, 224
RGB Percent	88%, 88%, 88%
CMY	0.1216, 0.1215, 0.1216
CMYK	0.00, 0.00, 0.00, 0.12
HSL	118°, 0%, 88%
HSV	118°, 0%, 88%
XYZ	70.8507, 74.5404, 81.1745
YIQ	224.0000, -0.0000, 0.0000

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	224, 224, 224
Decimal	14737632
CIE Lab	89.18, 0.00, -0.01
CIE LCh	89, 0.011, 297.316
Yxy	74.5404, 0.3127, 0.3290
Android (android.graphics.Color)	4292927712 (0xFFE0E0E0)
YUV	224.0000, 0.0000, 0.0000
Hunter-Lab	86.3368, -4.6066, 4.6908

# Details

The XYZ color **70.8507, 74.5404, 81.1745** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.8534, 74.5424, 81.1785**, and the grayscale version is **70.8534, 74.5433, 81.1776**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.7116, 39.6755, 43.2066** is the 20% darker color. If you saturate the color by 10%, you get **61.6955, 70.1511, 65.9186**, and if you desaturate by 10%, it is **81.2728, 79.5408, 98.5821**.

# Distribution



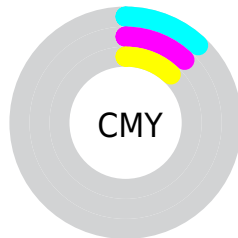
- Red (88%)
- Green (88%)
- Blue (88%)



- Red (88%)
- Yellow (88%)
- Blue (88%)



- Cyan (0%)
- Magenta (0%)
- Yellow (0%)
- Black (12%)



- Cyan (12%)
- Magenta (12%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8507, 74.5404, 81.1745 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 70.8507, 74.5404, 81.1745 by changing the saturation by 10% instead.



■ 70.8507, 74.5404,  
81.1745

■ 70.8507, 74.5404,  
81.1745

452.7513,  
476.3364, 518.6930

■ 52.5025, 55.2365,  
60.1535

119.4408,  
125.6616, 136.8420

■ 37.6316, 39.5911,  
43.1163

150.4133,  
158.2476, 172.3256

■ 25.8728, 27.2198,  
29.6443

186.3247,  
196.0297, 213.4672

■ 16.8607, 17.7384,  
19.3190

227.5403,  
239.3924, 260.6852

■ 10.2299, 10.7623,  
11.7218

274.4253,  
288.7200, 314.3983

■ 5.6151, 5.9073,  
6.4343

327.3453,

■ 2.6509, 2.7888,

344.3970, 375.0249

3.0379

386.6655,  
406.8076, 442.9836

■ 0.9720, 1.0225,  
1.1140

■ 0.0000, 0.0000,  
0.0000

■ 70.8507, 74.5404,  
81.1745

■ 70.8507, 74.5404,  
81.1745

■ 61.6955, 70.1511,  
65.9186

■ 81.2728, 79.5408,  
98.5821

■ 53.7530, 66.3403,  
52.7261

■ 85.9471, 81.7941,  
105.8657

■ 46.9741, 63.0869,  
41.5100

■ 41.3042, 60.3647,  
32.1752

■ 36.6843, 58.1455,  
24.6187

■ 33.0500, 56.3986,  
18.7276

■ 30.3296, 55.0897,  
14.3762

■ 28.4419, 54.1800,  
11.4210

■ 27.2913, 53.6239,  
9.6913

# Harmonies

## Analogous

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



70.8482, 74.5404, 81.1761



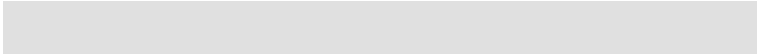
70.8507, 74.5404, 81.1745



70.8526, 74.5404, 81.1695

# Triad

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



70.8507, 74.5404, 81.1745



70.8511, 74.5404, 81.1498



70.8434, 74.5404, 81.1612

# Complementary

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



70.8507, 74.5404, 81.1745



70.8534, 74.5424, 81.1785

# 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.



70.8442, 74.5404, 81.1541



70.8507, 74.5404, 81.1745



70.8486, 74.5404, 81.1476

# Square

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



70.8507, 74.5404, 81.1745



70.8528, 74.5404, 81.1553



70.8461, 74.5404, 81.1491



70.8440, 74.5404, 81.1684



# Rectangle

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



70.8507, 74.5404, 81.1745



70.8533, 74.5404, 81.1650



70.8461, 74.5404, 81.1491



70.8436, 74.5404, 81.1587

# Sweetspot

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



70.8528, 74.5436, 81.1761

95.0500, 100.0000, 108.9000



70.8539, 74.5441, 81.1762



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

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



70.8528, 74.5436, 81.1761

95.0500, 100.0000, 108.9000



70.8530, 74.5437, 81.1774



15.4596, 16.2647, 17.7123



15.5794, 31.0640, 5.1748



1.0930, 2.1600, 0.3593



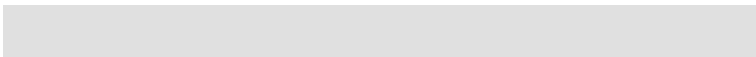
# Inverse Universe

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



70.8534, 74.5424, 81.1785

95.0500, 100.0000, 108.9000



70.8532, 74.5423, 81.1773



15.4596, 16.2647, 17.7123



24.5931, 11.7735, 42.0247



1.7172, 0.8225, 2.9135



# Previews

## White Background



This preview shows how the XYZ color 70.8507, 74.5404, 81.1745 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 70.8507, 74.5404, 81.1745 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

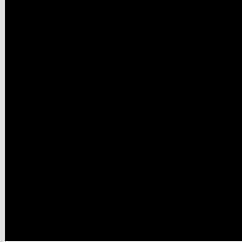
Any Text WCAG AAA ✓ Pass

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

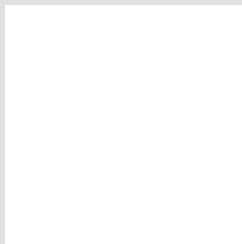


**XYZ 70.8507, 74.5404, 81.1745**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.8507, 74.5404, 81.1745.



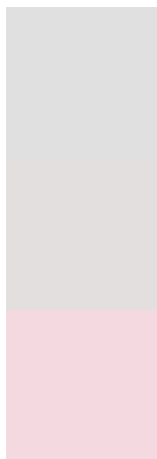
This preview shows how white text looks on a background with the XYZ color 70.8507, 74.5404,



# 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

70.8507, 74.5404, 81.1745

### Protanopia

71.7019, 74.5970, 80.4316

### Deuteranopia

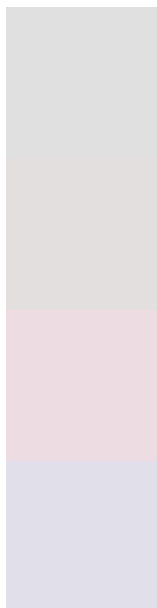
76.0596, 74.4744, 81.6004



## Tritanopia

73.0653, 74.6433, 92.2180

# Trichromacy



## Original Color

70.8507, 74.5404, 81.1745

## Protanomaly

71.3855, 74.4340, 80.4168

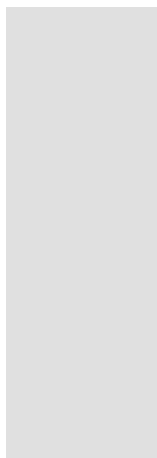
## Deuteranomaly

74.1089, 74.6272, 81.7327

## Tritanomaly

72.2903, 74.7234, 88.4549

# Monochromacy



## Original Color

70.8507, 74.5404, 81.1745

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.8507, 74.5404, 81.1745

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8507, 74.5404, 81.1745 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(224, 224, 224) looks like.

```
.text, #text, p{  
    color:rgb(224, 224, 224)  
}
```

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(224, 224, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 224, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8507, 74.5404, 81.1745 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(224, 224, 224) }
```

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

```
.border{ border-color:rgb(224, 224, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 224, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 224, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 224, 224);  
box-shadow:4px 4px 4px 4px rgb(224, 224,  
224) }
```



# Background

The CSS property to change the background color of an element to XYZ 70.8507, 74.5404, 81.1745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 224, 224) }
```

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

```
.background{ background-color: rgb(224,  
224, 224) }
```

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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