

# Converting Colors

XYZ(74.7782, 78.3074, 84.7649)

Have a look what the booklet for  
XYZ(74.7782, 78.3074, 84.7649)  
contains.

<b>XYZ(74.7020, 78.0772, 84.5320)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# **Color**

**XYZ(74.7020, 78.0772,  
84.5320)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E7E4E4
RGB	231, 228, 228
RGB Percent	91%, 89%, 89%
CMY	0.0941, 0.1059, 0.1059
CMYK	0.00, 0.01, 0.01, 0.09
HSL	0°, 6%, 90%
HSV	0°, 1%, 91%
XYZ	74.7020, 78.0772, 84.5320
YIQ	228.8970, 1.7880, 0.6360

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 228, 228
Decimal	15197412
CIE Lab	90.82, 1.02, 0.35
CIE LCh	91, 1.073, 18.914
Yxy	78.0772, 0.3148, 0.3290
Android (android.graphics.Color)	4293387492 (0xFFE7E4E4)
YUV	228.8970, -0.4422, 1.8443
Hunter-Lab	88.3613, -3.7256, 5.1324

# Details

The XYZ color **74.7020, 78.0772, 84.5320** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.9946, 79.4142, 86.9782**, and the grayscale version is **74.4046, 78.2794, 85.2463**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.1656, 42.0182, 45.5285** is the 20% darker color. If you saturate the color by 10%, you get **65.7790, 65.0242, 66.7793**, and if you desaturate by 10%, it is **84.9048, 93.0020, 104.8271**.

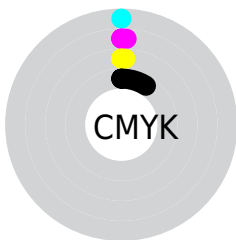
# Distribution



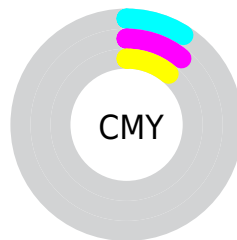
- Red (91%)
- Green (89%)
- Blue (89%)



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



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (9%)



- Cyan (9%)
- Magenta (11%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.7020, 78.0772, 84.5320 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 74.7020, 78.0772, 84.5320 by changing the saturation by 10% instead.



■ 74.7020, 78.0772,  
84.5320

■ 74.7020, 78.0772,  
84.5320

465.9057,  
488.4290, 530.1823

■ 55.6621, 58.1374,  
62.9068

124.8806,  
130.6589, 141.5875

■ 40.1680, 41.9191,  
45.3253

156.7500,  
164.0697, 177.8549

■ 27.8544, 29.0380,  
31.3689

193.6267,  
202.7395, 219.8401

■ 18.3558, 19.1095,  
20.6191

235.8759,  
247.0528, 267.9616

■ 11.3070, 11.7495,  
12.6574

283.8630,  
297.3940, 322.6381

■ 6.3425, 6.5733,  
7.0651

337.9535,

■ 3.0971, 3.1967,

354.1475, 384.2880

3.4238

398.5126,  
417.6977, 453.3299

■ 1.2053, 1.2353,  
1.3149

■ 0.1106, 0.0902,  
0.0739

■ 74.7020, 78.0772,  
84.5320

■ 74.7020, 78.0772,  
84.5320

■ 65.7790, 65.0242,  
66.7793

■ 84.9048, 93.0020,  
104.8271

■ 58.0790, 53.7595,  
51.4639

■ 86.7655, 95.7292,  
108.5123

■ 51.5507, 44.2084,  
38.4812

■ 46.1368, 36.2869,  
27.7166

■ 41.7750, 29.9041,  
19.0462

■ 38.3970, 24.9601,  
12.3337

■ 35.9263, 21.3433,  
7.4270

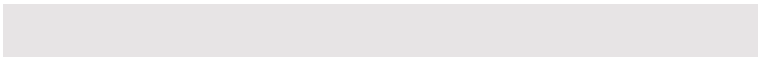
■ 34.2755, 18.9256,  
4.1513

■ 33.3395, 17.5538,  
2.2976

# Harmonies

## Analogous

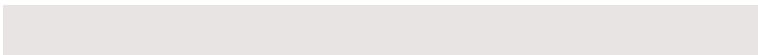
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.7204, 78.0772, 85.2989



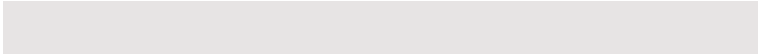
74.7020, 78.0772, 84.5320



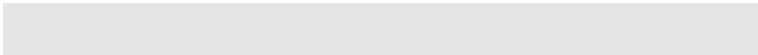
74.5516, 78.0772, 83.8976

# Triad

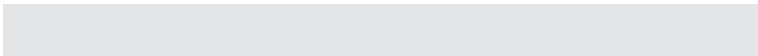
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



74.7020, 78.0772, 84.5320



73.8196, 78.0772, 84.0399



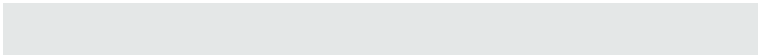
74.1103, 78.0772, 86.4795

# Complementary

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



74.7020, 78.0772, 84.5320



74.9946, 79.4142, 86.9782

# Split Complementary

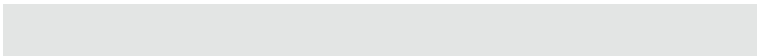
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.8695, 78.0772, 86.1378



74.7020, 78.0772, 84.5320



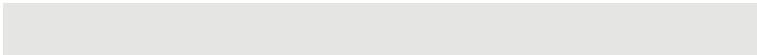
73.7020, 78.0772, 84.7274

# Square

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



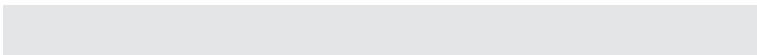
74.7020, 78.0772, 84.5320



74.0420, 78.0772, 83.6147



73.7202, 78.0772, 85.4954



74.3784, 78.0772, 86.4264



# Rectangle

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



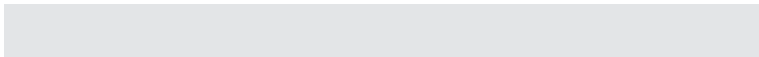
74.7020, 78.0772, 84.5320



74.3969, 78.0772, 83.6337



73.7202, 78.0772, 85.4954



74.0235, 78.0772, 86.4069

# Sweetspot

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



74.7042, 78.0806, 84.5337

95.0500, 100.0000, 108.9000



75.1233, 78.2465, 86.7460



20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

# Same Dimension

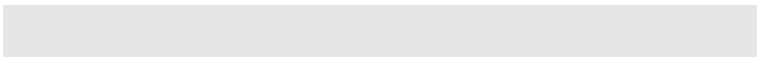
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.7042, 78.0806, 84.5337



92.6363, 96.4691, 104.0982



75.1176, 78.9073, 84.6715



15.8323, 16.4976, 17.8123



18.4776, 9.5293, 0.8655



1.3660, 0.7053, 0.0641



# Inverse Universe

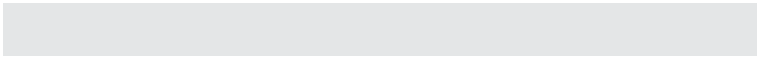
The Inverse Universe completely reimagines the original color for something new.



74.9946, 79.4142, 86.9782



93.1964, 99.0412, 108.8126



74.5777, 78.5804, 86.8392



15.9222, 16.9106, 18.5692



24.0593, 35.1806, 47.9057

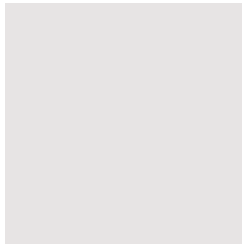


1.7784, 2.6008, 3.5402



# Previews

## White Background



This preview shows how the XYZ color 74.7020, 78.0772, 84.5320 looks on a white background.

## Color Contrast Check

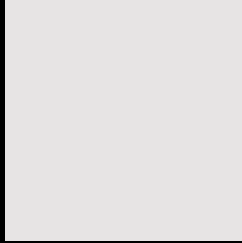
Large Text (above 18pt) WCAG AA × Fail

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 74.7020, 78.0772, 84.5320 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

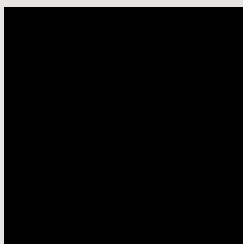
Any Text WCAG AAA ✓ Pass

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

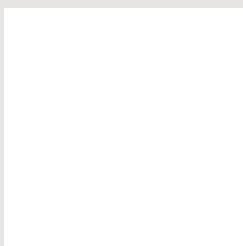


**XYZ 74.7020, 78.0772, 84.5320**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.7020, 78.0772, 84.5320.



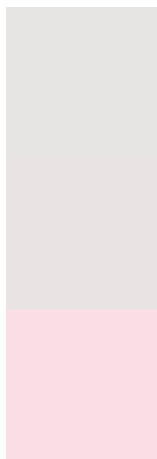
This preview shows how white text looks on a background with the XYZ color 74.7020, 78.0772,

84.5320.

# 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

74.7020, 78.0772, 84.5320

### Protanopia

75.0769, 77.8632, 84.4709

### Deuteranopia

79.4236, 77.6940, 84.9391



## Tritanopia

76.9783, 78.1874, 95.8285

# Trichromacy



## Original Color

74.7020, 78.0772, 84.5320

## Protanomaly

74.7514, 77.6954, 84.4557

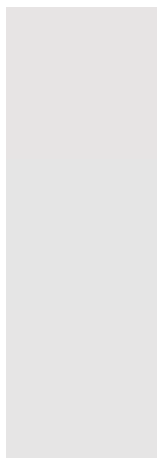
## Deuteranomaly

77.7607, 78.0231, 85.0903

## Tritanomaly

76.1804, 78.2670, 91.9808

# Monochromacy



## Original Color

74.7020, 78.0772, 84.5320

## Achromatopsia

74.4753, 78.3538, 85.3273

## Achromatomaly

74.7953, 78.5188, 85.3422

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.7020, 78.0772, 84.5320 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(231, 228, 228) looks like.

```
.text, #text, p{  
    color:rgb(231, 228, 228)  
}
```

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(231, 228, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 228, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 74.7020, 78.0772, 84.5320 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(231, 228, 228) }
```

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

```
.border{ border-color:rgb(231, 228, 228) }
```

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

Here you see how a box with a 4 pixel rgb(231, 228, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 228, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 228, 228);  
box-shadow:4px 4px 4px 4px rgb(231, 228,  
228) }
```



# Background

The CSS property to change the background color of an element to XYZ 74.7020, 78.0772, 84.5320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 228, 228) }
```

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

```
.background{ background-color: rgb(231,  
228, 228) }
```

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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