

# Converting Colors

XYZ(72.8786, 77.2029, 81.5838)

Have a look what the booklet for  
XYZ(72.8786, 77.2029, 81.5838)  
contains.

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# Color

**XYZ(72.8765, 77.1995,  
81.5810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3E4E0
RGB	227, 228, 224
RGB Percent	89%, 89%, 88%
CMY	0.1098, 0.1059, 0.1216
CMYK	0.00, 0.00, 0.02, 0.11
HSL	75°, 7%, 89%
HSV	75°, 2%, 89%
XYZ	72.8765, 77.1995, 81.5810
YIQ	227.2450, 0.6880, -1.4560

# Conversions

## Conversions Part 2

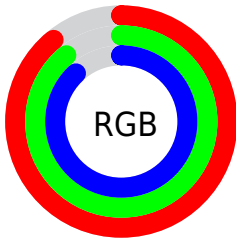
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 228, 225
Decimal	14935264
CIE Lab	90.41, -1.04, 1.82
CIE LCh	90, 2.097, 119.817
Yxy	77.1995, 0.3146, 0.3332
Android (android.graphics.Color)	4293125344 (0xFFE3E4E0)
YUV	227.2450, -1.5998, -0.2149
Hunter-Lab	87.8632, -5.7072, 6.4535

# Details

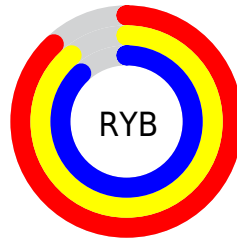
The XYZ color **72.8765, 77.1995, 81.5810** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.7135, 74.9224, 84.0845**, and the grayscale version is **73.2047, 77.0171, 83.8716**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1183, 41.5224, 43.4890** is the 20% darker color. If you saturate the color by 10%, you get **68.2166, 75.1331, 66.2892**, and if you desaturate by 10%, it is **78.0154, 79.4693, 99.0630**.

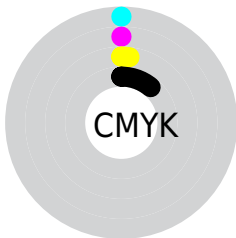
# Distribution



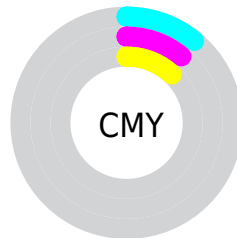
- Red (89%)
- Green (89%)
- Blue (88%)



- Red (88%)
- Yellow (89%)
- Blue (88%)



- Cyan (0%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.8765, 77.1995, 81.5810 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 72.8765, 77.1995, 81.5810 by changing the saturation by 10% instead.



■ 72.8765, 77.1995,  
81.5810

■ 72.8765, 77.1995,  
81.5810

459.6971,  
485.4440, 520.0917

■ 54.1630, 57.4166,  
60.4864

122.3059,  
129.4211, 137.4177

■ 38.9632, 41.3398,  
43.3830

153.7526,  
162.6285, 172.9968

■ 26.9117, 28.5847,  
29.8521

190.1744,  
201.0797, 214.2413

■ 17.6431, 18.7669,  
19.4752

231.9366,  
245.1588, 261.5696

■ 10.7922, 11.5020,  
11.8339

279.4046,  
295.2505, 315.4002

■ 5.9936, 6.4055,  
6.5095

332.9438,

■ 2.8818, 3.0932,

351.7389, 376.1517

3.0835

392.9195,  
415.0086, 444.2427

■ 1.0916, 1.1806,  
1.1375

■ 0.0180, 0.0458,  
0.0000

■ 72.8765, 77.1995,  
81.5810

■ 72.8765, 77.1995,  
81.5810

■ 68.2166, 75.1331,  
66.2892

■ 78.0154, 79.4693,  
99.0630

■ 64.0121, 73.2533,  
53.0961

■ 81.2014, 80.9625,  
105.9553

■ 60.2473, 71.5561,  
41.9115

■ 83.1564, 81.9703,  
106.0468

■ 56.9028, 70.0338,  
32.6365

■ 85.1729, 83.0099,  
106.1412

■ 53.9575, 68.6778,  
25.1638

■ 87.0349, 83.9698,  
106.2283

■ 51.3886, 67.4789,  
19.3756

■ 49.1704, 66.4268,  
15.1402

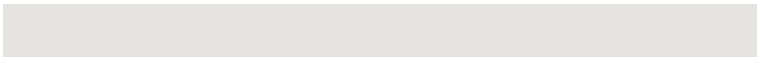
■ 47.2734, 65.5097,  
12.3059

■ 45.6626, 64.7133,  
10.6913

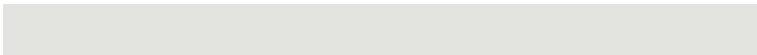
# Harmonies

## Analogous

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



73.3790, 77.1995, 81.2075



72.8765, 77.1995, 81.5810



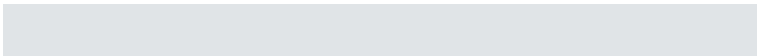
72.5092, 77.1995, 82.6163

# Triad

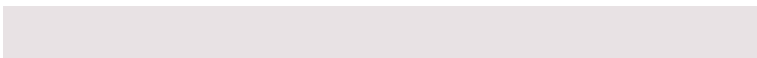
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.8765, 77.1995, 81.5810



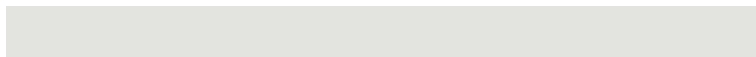
72.8710, 77.1995, 86.5735



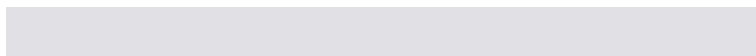
74.3869, 77.1995, 84.0663

# Complementary

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



72.8765, 77.1995, 81.5810



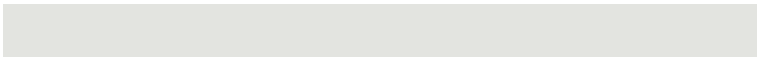
71.7135, 74.9224, 84.0845

# Split Complementary

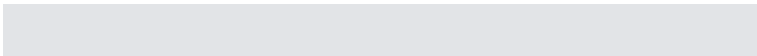
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.2493, 77.1995, 85.5147



72.8765, 77.1995, 81.5810



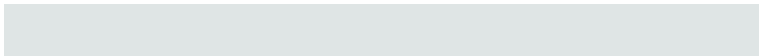
73.3726, 77.1995, 86.9726

# Square

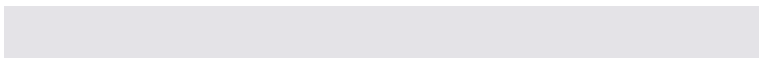
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



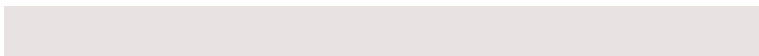
72.8765, 77.1995, 81.5810



72.5060, 77.1995, 85.4985



73.8774, 77.1995, 86.5829



74.2525, 77.1995, 82.6320



# Rectangle

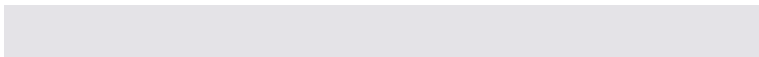
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



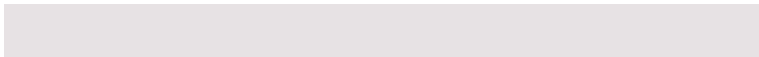
72.8765, 77.1995, 81.5810



72.3897, 77.1995, 83.5486



73.8774, 77.1995, 86.5829



74.3709, 77.1995, 84.5678

# Sweetspot

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



72.8787, 77.2028, 81.5827



94.4072, 99.7158, 106.7411



72.3773, 75.7286, 81.3245



20.2138, 21.3463, 22.8697



0.0000, 0.0000, 0.0000

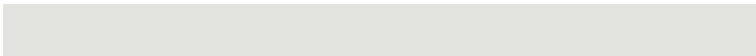


20.3446, 21.4041, 23.3091



# Same Dimension

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



72.8787, 77.2028, 81.5827



93.7707, 99.4341, 104.6107



72.2518, 76.8797, 81.5533



16.0145, 16.9737, 17.8946



25.8103, 37.0872, 5.7982



1.9910, 2.7838, 0.4324



# Inverse Universe

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



71.7135, 74.9224, 84.0845



92.0527, 96.0715, 108.2997



72.3404, 75.2455, 84.1138



15.7386, 16.4338, 18.4869



9.1578, 3.7869, 42.6315

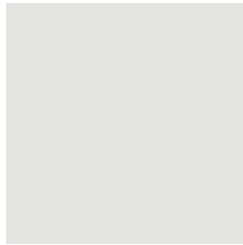


0.7604, 0.3230, 3.1542



# Previews

## White Background



This preview shows how the XYZ color 72.8765, 77.1995, 81.5810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

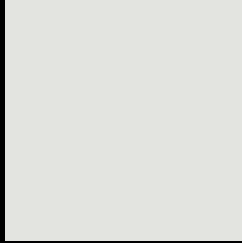
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.8765, 77.1995, 81.5810 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

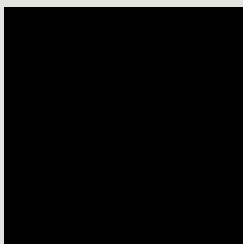
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

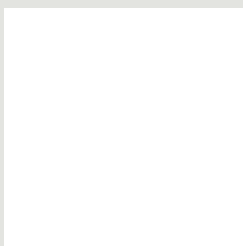
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.8765, 77.1995, 81.5810**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.8765, 77.1995, 81.5810.



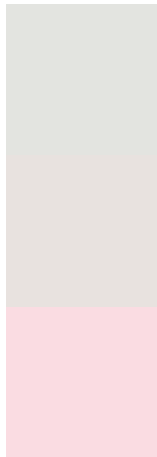
This preview shows how white text looks on a background with the XYZ color 72.8765, 77.1995,

81.5810.

# 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

72.8765, 77.1995, 81.5810

### Protanopia

73.7944, 76.8762, 80.7613

### Deuteranopia

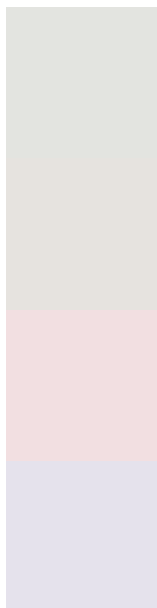
78.7450, 77.0014, 82.6639



## **Tritanopia**

75.7360, 77.1445, 95.6927

# Trichromacy



## Original Color

72.8765, 77.1995, 81.5810

## Protanomaly

73.4215, 77.0889, 80.8220

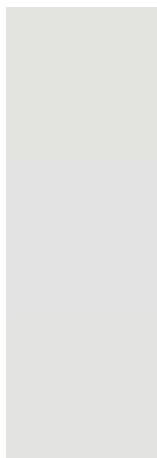
## Deuteranomaly

76.5962, 77.0888, 82.0767

## Tritanomaly

74.6498, 77.1069, 90.3055

# Monochromacy



## Original Color

72.8765, 77.1995, 81.5810

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

72.8751, 76.7601, 82.9267

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.8765, 77.1995, 81.5810 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(227, 228, 224) looks like.

```
.text, #text, p{  
    color:rgb(227, 228, 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(227, 228, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 228, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 72.8765, 77.1995, 81.5810 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(227, 228, 224) }
```



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

```
.border{ border-color:rgb(227, 228, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 228, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 228, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 228, 224); box-shadow:4px 4px 4px 4px rgb(227, 228, 224) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.8765, 77.1995, 81.5810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 228, 224) }
```

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

```
.background{ background-color: rgb(227,  
228, 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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