

# Converting Colors

XYZ(72.4501, 76.4223, 81.7396)

Have a look what the booklet for  
XYZ(72.4501, 76.4223, 81.7396)  
contains.

<b>XYZ(72.6022, 76.6509, 81.4896)</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(72.6022, 76.6509,  
81.4896)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E3E3E0
RGB	227, 227, 224
RGB Percent	89%, 89%, 88%
CMY	0.1098, 0.1098, 0.1216
CMYK	0.00, 0.00, 0.01, 0.11
HSL	60°, 5%, 88%
HSV	60°, 1%, 89%
XYZ	72.6022, 76.6509, 81.4896
YIQ	226.6580, 0.9630, -0.9330

# Conversions

## Conversions Part 2

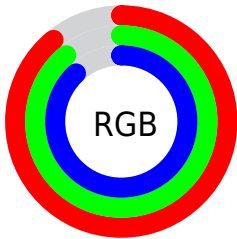
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 227, 224
Decimal	14935008
CIE <sub>Lab</sub>	90.16, -0.53, 1.45
CIE <sub>LCh</sub>	90, 1.545, 110.006
Yxy	76.6509, 0.3146, 0.3322
Android (android.graphics.Color)	4293125088 (0xFFE3E3E0)
YUV	226.6580, -1.3104, 0.2999
Hunter-Lab	87.5505, -5.1903, 6.0998

# Details

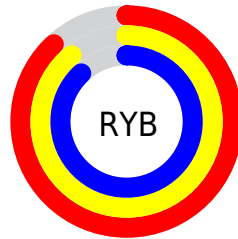
The XYZ color **72.6022, 76.6509, 81.4896** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.2642, 74.7068, 83.3408**, and the grayscale version is **72.7759, 76.5659, 83.3802**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9272, 41.1403, 43.4253** is the 20% darker color. If you saturate the color by 10%, you get **69.7180, 75.4986, 66.3424**, and if you desaturate by 10%, it is **75.9018, 77.9743, 98.8050**.

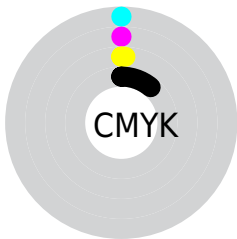
# Distribution



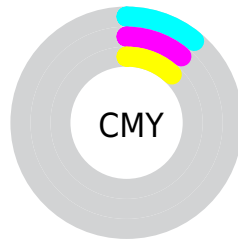
- Red (89%)
- Green (89%)
- Blue (88%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (1%)
- Black (11%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.6022, 76.6509, 81.4896 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 72.6022, 76.6509, 81.4896 by changing the saturation by 10% instead.



■ 72.6022, 76.6509,  
81.4896

■ 72.6022, 76.6509,  
81.4896

458.7601,  
483.5729, 519.7774

■ 53.9380, 56.9664,  
60.4116

121.9185,  
128.6466, 137.2883

■ 38.7825, 40.9783,  
43.3230

153.3013,  
161.7265, 172.8460

■ 26.7706, 28.3021,  
29.8053

189.6543,  
200.0404, 214.0673

■ 17.5367, 18.5535,  
19.4401

231.3429,  
243.9727, 261.3708

■ 10.7155, 11.3481,  
11.8087

278.7324,  
293.9077, 315.1750

■ 5.9418, 6.3015,  
6.4926

332.1882,

■ 2.8500, 3.0293,

350.2298, 375.8985

3.0733

392.0756,  
413.3234, 443.9598

■ 1.0750, 1.1470,  
1.1322

■ 0.0040, 0.0178,  
0.0000

■ 72.6022, 76.6509,  
81.4896

■ 72.6022, 76.6509,  
81.4896

■ 69.7180, 75.4986,  
66.3424

■ 75.9018, 77.9743,  
98.8050

■ 67.2266, 74.5009,  
53.2732

■ 77.2189, 78.5022,  
105.6903

■ 65.1130, 73.6543,  
42.1930

■ 77.2285, 78.5072,  
105.6908

■ 63.3585, 72.9514,  
33.0043

■ 77.2382, 78.5122,  
105.6912

61.9431, 72.3841,  
25.6015

77.2478, 78.5172,  
105.6917

60.8449, 71.9437,  
19.8685

77.2575, 78.5221,  
105.6921

60.0391, 71.6203,  
15.6756

77.2671, 78.5271,  
105.6926

59.4976, 71.4026,  
12.8742

77.2768, 78.5321,  
105.6930

59.1865, 71.2770,  
11.2861

77.2864, 78.5371,  
105.6935

# Harmonies

## Analogous

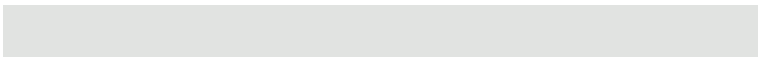
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.9825, 76.6509, 81.3957



72.6022, 76.6509, 81.4896



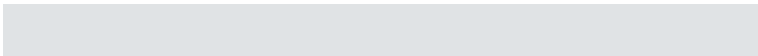
72.2905, 76.6509, 82.1088

# Triad

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



72.6022, 76.6509, 81.4896



72.3811, 76.6509, 85.0894



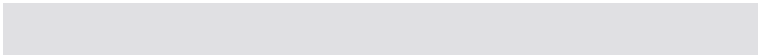
73.5836, 76.6509, 83.8271

# Complementary

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



72.6022, 76.6509, 81.4896



71.2642, 74.7068, 83.3408

# Split Complementary

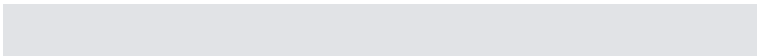
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.4212, 76.6509, 84.8255



72.6022, 76.6509, 81.4896



72.7264, 76.6509, 85.5585

# Square

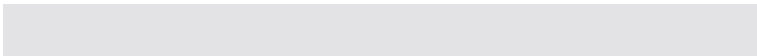
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



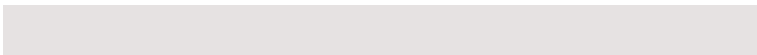
72.6022, 76.6509, 81.4896



72.1632, 76.6509, 84.1850



73.1071, 76.6509, 85.4615



73.5500, 76.6509, 82.7388



# Rectangle

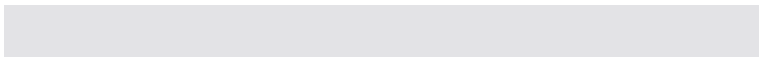
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.6022, 76.6509, 81.4896



72.1631, 76.6509, 82.7393



73.1071, 76.6509, 85.4615



73.5501, 76.6509, 84.1845

# Sweetspot

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



72.6044, 76.6542, 81.4913

95.0500, 100.0000, 108.9000



71.7912, 75.0259, 81.2198



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.



72.6044, 76.6542, 81.4913



94.2371, 99.6746, 104.6326



72.1339, 76.4117, 81.4693



16.0893, 17.0122, 17.8981



34.4398, 41.5359, 6.2021

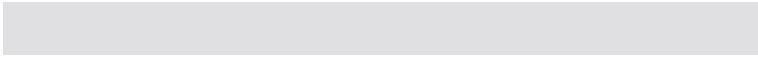


2.5456, 3.0697, 0.4583



# Inverse Universe

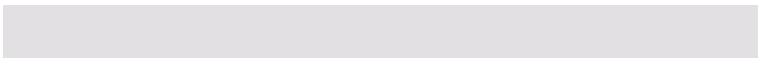
The Inverse Universe completely reimagines the original color for something new.



71.2642, 74.7068, 83.3408



91.5955, 95.8359, 108.2783



71.7306, 74.9472, 83.3627



15.6652, 16.3959, 18.4834



8.0892, 3.2360, 42.5814

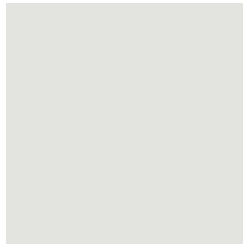


0.5984, 0.2395, 3.1466



# Previews

## White Background



This preview shows how the XYZ color 72.6022, 76.6509, 81.4896 looks on a white background.

## Color Contrast Check

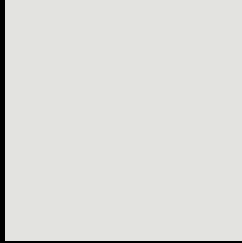
Large Text (above 18pt) WCAG AA × Fail

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 72.6022, 76.6509, 81.4896 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

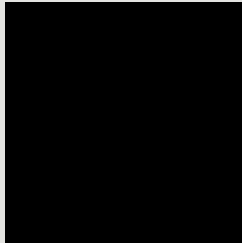
Any Text WCAG AAA ✓ Pass

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

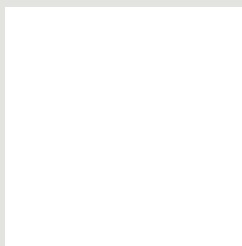


**XYZ 72.6022, 76.6509, 81.4896**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.6022, 76.6509, 81.4896.



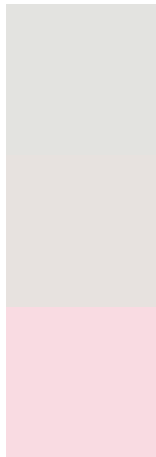
This preview shows how white text looks on a background with the XYZ color 72.6022, 76.6509,

81.4896.

# 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

72.6022, 76.6509, 81.4896

### Protanopia

73.4706, 76.7093, 80.7461

### Deuteranopia

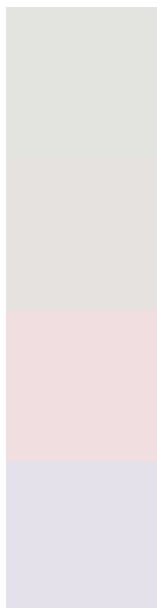
78.1259, 76.2938, 82.5600



## **Tritanopia**

75.3158, 76.5451, 94.8095

# Trichromacy



## Original Color

72.6022, 76.6509, 81.4896

## Protanomaly

73.1488, 76.5434, 80.7310

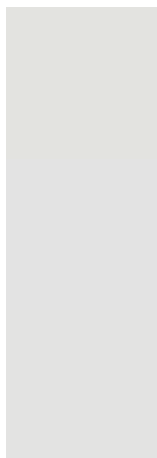
## Deuteranomaly

75.9875, 76.3796, 81.9719

## Tritanomaly

74.2337, 76.5066, 89.4520

# Monochromacy



## Original Color

72.6022, 76.6509, 81.4896

## 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 72.6022, 76.6509, 81.4896 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, 227, 224) looks like.

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

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

## Border

The CSS property to change the border of an element to XYZ 72.6022, 76.6509, 81.4896 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, 227, 224) }
```

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

```
.border{ border-color:rgb(227, 227, 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, 227, 224)` colored shadow looks like.

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



# Background

The CSS property to change the background color of an element to XYZ 72.6022, 76.6509, 81.4896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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