

# Converting Colors

XYZ(72.6438, 75.0923, 79.3552)

Have a look what the booklet for  
XYZ(72.6438, 75.0923, 79.3552)  
contains.

<b>XYZ(72.7175, 75.1516, 79.0797)</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> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(72.7175, 75.1516,  
79.0797)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8DFDD
RGB	232, 223, 221
RGB Percent	91%, 87%, 87%
CMY	0.0902, 0.1255, 0.1333
CMYK	0.00, 0.04, 0.05, 0.09
HSL	11°, 19%, 89%
HSV	11°, 5%, 91%
XYZ	72.7175, 75.1516, 79.0797
YIQ	225.4630, 6.0060, 1.2860

# Conversions

## Conversions Part 2

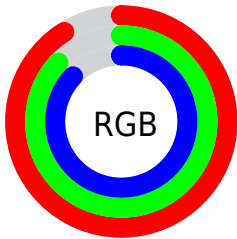
Format	Color
R <sub>Y</sub> B	232, 223, 221
Decimal	15261661
CIE Lab	89.46, 2.72, 2.06
CIE LCh	89, 3.408, 37.154
Yxy	75.1516, 0.3204, 0.3311
Android (android.graphics.Color)	4293451741 (0xFFE8DFDD)
YUV	225.4630, -2.2003, 5.7329
Hunter-Lab	86.6900, -1.9778, 6.5980

# Details

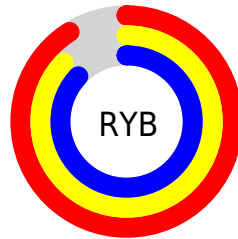
The XYZ color **72.7175, 75.1516, 79.0797** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **72.6810, 77.7907, 87.5292**, and the grayscale version is **71.9153, 75.6605, 82.3943**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.7901, 39.9885, 41.7505** is the 20% darker color. If you saturate the color by 10%, you get **65.0498, 64.4251, 62.3129**, and if you desaturate by 10%, it is **81.3847, 87.1916, 98.2888**.

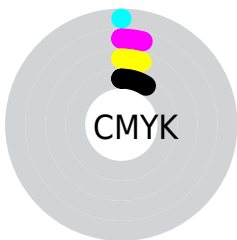
# Distribution



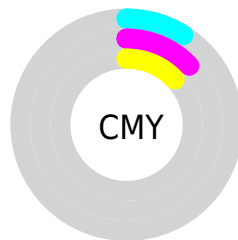
- Red (91%)
- Green (87%)
- Blue (87%)



- Red (91%)
- Yellow (87%)
- Blue (87%)



- Cyan (0%)
- Magenta (4%)
- Yellow (5%)
- Black (9%)



- Cyan (9%)
- Magenta (13%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7175, 75.1516, 79.0797 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 72.7175, 75.1516, 79.0797 by changing the saturation by 10% instead.



■ 72.7175, 75.1516,  
79.0797

■ 72.7175, 75.1516,  
79.0797

459.1541,  
478.4385, 511.4507

■ 54.0326, 55.7371,  
58.4396

122.0814,  
126.5269, 133.8707

■ 38.8585, 39.9922,  
41.7452

153.4910,  
159.2566, 168.8588

■ 26.8299, 27.5324,  
28.5777

189.8729,  
197.1933, 209.4666

■ 17.5814, 17.9735,  
18.5188

231.5925,  
240.7217, 256.1127

■ 10.7477, 10.9310,  
11.1498

279.0150,  
290.2260, 309.2156

■ 5.9635, 6.0204,  
6.0522

332.5059,

■ 2.8634, 2.8575,

346.0906, 369.1939

2.8076

392.4305,  
408.7000, 436.4660

■ 1.0819, 1.0578,  
0.9972

■ 0.0099, 0.0000,  
0.0000

■ 72.7175, 75.1516,  
79.0797

■ 72.7175, 75.1516,  
79.0797

■ 65.0498, 64.4251,  
62.3129

■ 81.3847, 87.1916,  
98.2888

■ 58.3391, 54.9580,  
47.8856

■ 87.0891, 95.8960,  
108.5274

■ 52.5494, 46.7069,  
35.6950

■ 47.6398, 39.6221,  
25.6285

■ 43.5662, 33.6505,  
17.5639

■ 40.2808, 28.7348,  
11.3663

■ 37.7306, 24.8124,  
6.8842

■ 35.8556, 21.8141,  
3.9422

■ 34.5857, 19.6610,  
2.3264

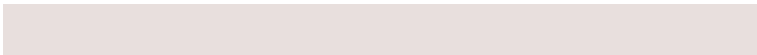
# Harmonies

## Analogous

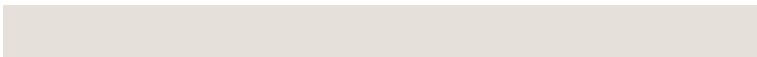
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0353, 75.1516, 81.2556



72.7175, 75.1516, 79.0797



72.0549, 75.1516, 77.6599

# Triad

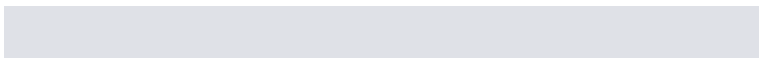
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.7175, 75.1516, 79.0797



69.9590, 75.1516, 80.0538



71.6296, 75.1516, 86.4781

# Complementary

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



72.7175, 75.1516, 79.0797



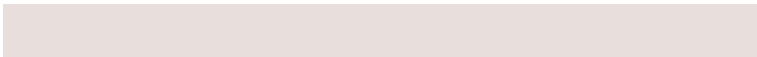
72.6810, 77.7907, 87.5292

# 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.



70.8074, 75.1516, 86.1412



72.7175, 75.1516, 79.0797



69.8471, 75.1516, 82.4017

# Square

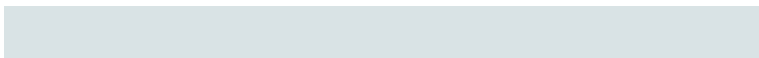
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7175, 75.1516, 79.0797



70.4634, 75.1516, 78.2146



70.1565, 75.1516, 84.6379

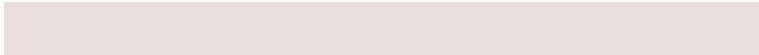


72.4041, 75.1516, 85.5496



# Rectangle

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



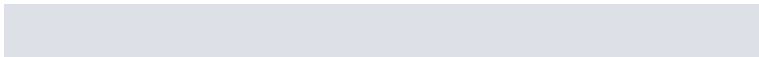
72.7175, 75.1516, 79.0797



71.5091, 75.1516, 77.3173



70.1565, 75.1516, 84.6379



71.3496, 75.1516, 86.5094

# Sweetspot

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



72.7196, 75.1549, 79.0813



93.9804, 98.5135, 106.5315



73.4425, 74.5924, 85.5135



20.1270, 21.1016, 22.8271



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

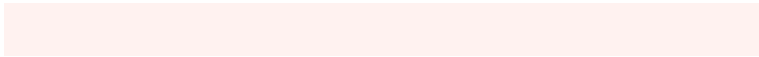


# Same Dimension

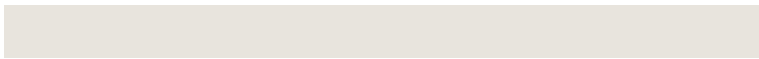
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7196, 75.1549, 79.0813



88.8210, 91.3283, 95.1514



74.1660, 78.0477, 79.5635



15.0581, 15.4468, 16.0200



19.0057, 10.5855, 1.0415

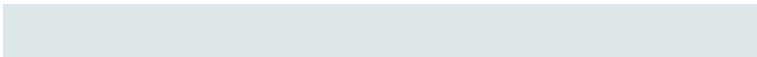


1.4661, 0.9055, 0.0975

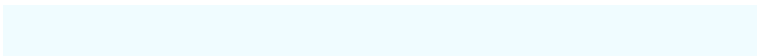


# Inverse Universe

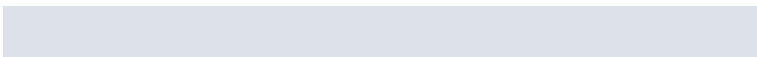
The Inverse Universe completely reimagines the original color for something new.



72.6810, 77.7907, 87.5292



88.7606, 95.4472, 108.3527



71.2205, 74.8698, 87.0424



15.0468, 16.2147, 18.4810



18.3620, 23.7860, 46.0066

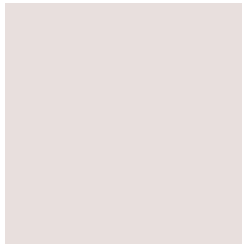


1.4152, 1.8743, 3.4192



# Previews

## White Background



This preview shows how the XYZ color 72.7175, 75.1516, 79.0797 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

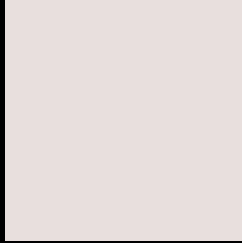
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7175, 75.1516, 79.0797 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

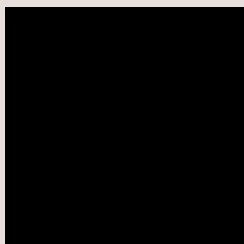
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

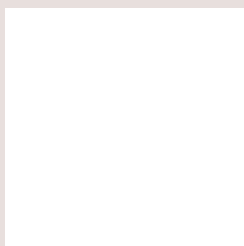
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.7175, 75.1516, 79.0797**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7175, 75.1516, 79.0797.



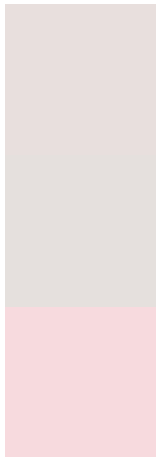
This preview shows how white text looks on a background with the XYZ color 72.7175, 75.1516,



# 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

72.7175, 75.1516, 79.0797

### Protanopia

72.0199, 75.1898, 79.1238

### Deuteranopia

76.6140, 75.1909, 79.5825



## Tritanopia

74.9575, 74.8519, 91.3861

# Trichromacy



## Original Color

72.7175, 75.1516, 79.0797

## Protanomaly

72.3399, 75.3548, 79.1388

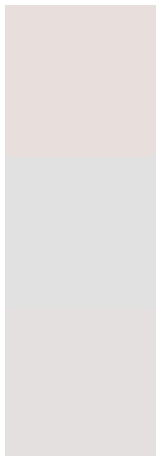
## Deuteranomaly

75.3960, 75.3376, 79.6751

## Tritanomaly

74.0262, 74.8627, 86.8923

# Monochromacy



## Original Color

72.7175, 75.1516, 79.0797

## Achromatopsia

71.5672, 75.2942, 81.9954

## Achromatomaly

72.1051, 75.1871, 81.2332

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7175, 75.1516, 79.0797 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(232, 223, 221) looks like.

```
.text, #text, p{  
    color:rgb(232, 223, 221)  
}
```

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(232, 223, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 223, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7175, 75.1516, 79.0797 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(232, 223, 221) }
```



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

```
.border{ border-color:rgb(232, 223, 221) }
```

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

Here you see how a box with a 4 pixel rgb(232, 223, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 223, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 223, 221);  
box-shadow:4px 4px 4px 4px rgb(232, 223,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7175, 75.1516, 79.0797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 223, 221) }
```

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

```
.background{ background-color: rgb(232,  
223, 221) }
```

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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