

Converting Colors

XYZ(72.2030, 76.0985, 85.1595)

Have a look what the booklet for
XYZ(72.2030, 76.0985, 85.1595)
contains.

XYZ(72.0797, 75.8971, 84.9793)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.0797, 75.8971,
84.9793)**

Conversions

Conversions Part 1

Format	Color
Hex	E0E2E5
RGB	224, 226, 229
RGB Percent	88%, 89%, 90%
CMY	0.1216, 0.1137, 0.1020
CMYK	0.02, 0.01, 0.00, 0.10
HSL	216°, 9%, 89%
HSV	216°, 2%, 90%
XYZ	72.0797, 75.8971, 84.9793
YIQ	225.7440, -2.1550, 0.5090

Conversions

Conversions Part 2

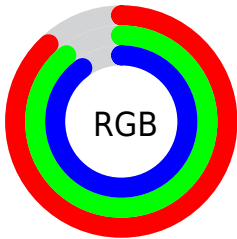
Format	Color
R_{YB}	224, 225, 229
Decimal	14738149
CIE _{Lab}	89.81, -0.12, -1.71
CIE _{LCh}	90, 1.711, 265.886
Yxy	75.8971, 0.3094, 0.3258
Android (android.graphics.Color)	4292928229 (0xFFE0E2E5)
YUV	225.7440, 1.6052, -1.5295
Hunter-Lab	87.1189, -4.7724, 3.1494

Details

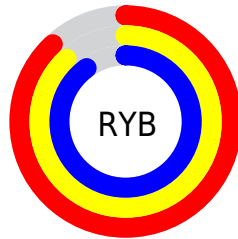
The XYZ color **72.0797, 75.8971, 84.9793** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.2369, 76.9773, 81.5204**, and the grayscale version is **72.0956, 75.8502, 82.6008**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5651, 40.6168, 45.8516** is the 20% darker color. If you saturate the color by 10%, you get **61.8716, 65.3165, 83.4762**, and if you desaturate by 10%, it is **83.5467, 87.5744, 86.6300**.

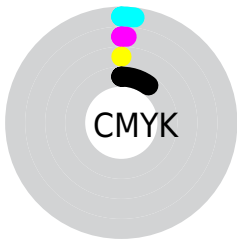
Distribution



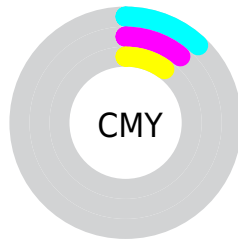
- Red (88%)
- Green (89%)
- Blue (90%)



- Red (88%)
- Yellow (88%)
- Blue (90%)



- Cyan (2%)
- Magenta (1%)
- Yellow (0%)
- Black (10%)



- Cyan (12%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0797, 75.8971, 84.9793 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 72.0797, 75.8971, 84.9793 by changing the saturation by 10% instead.

■ 72.0797, 75.8971,
84.9793

■ 72.0797, 75.8971,
84.9793

456.9723,
480.9954, 531.7024

■ 53.5095, 56.3481,
63.2742

121.1800,
127.5814, 142.2182

■ 38.4387, 40.4821,
45.6207

152.4408,
160.4856, 178.5890

■ 26.5021, 27.9146,
31.6001

188.6626,
198.6103, 220.6856

■ 17.3343, 18.2613,
20.7939

230.2106,
242.3399, 268.9263

■ 10.5699, 11.1378,
12.7837

277.4502,
292.0588, 323.7299

■ 5.8436, 6.1596,
7.1508

330.7468,

■ 2.7900, 2.9424,

348.1514, 385.5147

3.4767

390.4657,
411.0022, 454.6993

■ 1.0437, 1.1017,
1.3429

■ 0.0000, 0.0000,
0.0966

■ 72.0797, 75.8971,
84.9793

■ 72.0797, 75.8971,
84.9793

■ 61.8716, 65.3165,
83.4762

■ 83.5467, 87.5744,
86.6300

■ 52.8711, 55.7894,
82.1117

■ 90.6516, 97.4543,
88.1626

■ 45.0326, 47.2838,
80.8831

■ 91.1431, 98.4372,
88.3264

■ 38.3052, 39.7622,
79.7858

■ 32.6338, 33.1848,
78.8152

■ 27.9584, 27.5083,
77.9659

■ 24.2123, 22.6857,
77.2325

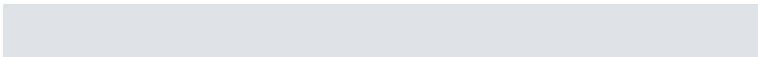
■ 21.3196, 18.6645,
76.6088

■ 19.1902, 15.3840,
76.0878

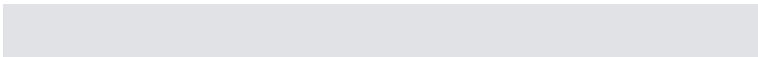
Harmonies

Analogous

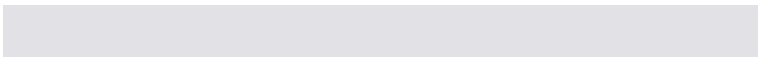
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.6837, 75.8971, 84.5785



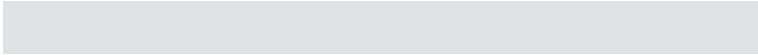
72.0797, 75.8971, 84.9793



72.4928, 75.8971, 84.7480

Triad

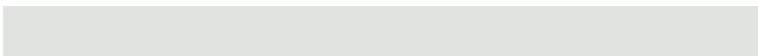
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.0797, 75.8971, 84.9793



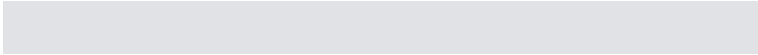
72.8706, 75.8971, 81.6284



71.4680, 75.8971, 81.3422

Complementary

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



72.0797, 75.8971, 84.9793



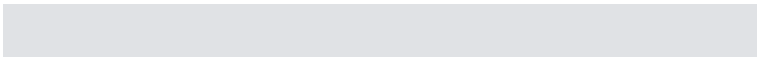
73.2369, 76.9773, 81.5204

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.



71.7841, 75.8971, 80.5654



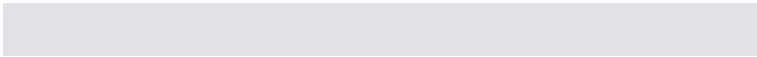
72.0797, 75.8971, 84.9793



72.5941, 75.8971, 80.7294

Square

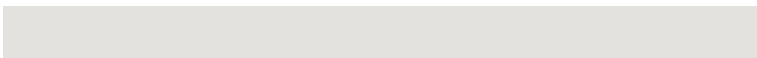
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0797, 75.8971, 84.9793



72.9505, 75.8971, 82.8059



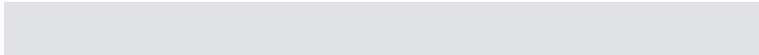
72.1962, 75.8971, 80.3421



71.3314, 75.8971, 82.4724

Rectangle

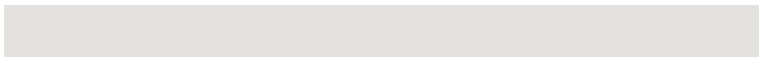
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0797, 75.8971, 84.9793



72.7222, 75.8971, 84.2677



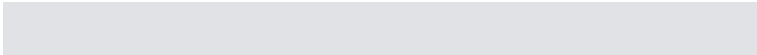
72.1962, 75.8971, 80.3421



71.5568, 75.8971, 81.0315

Sweetspot

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



72.0819, 75.9003, 84.9810



93.6325, 98.5484, 108.6945



72.6146, 77.4286, 83.7319



20.0562, 21.1087, 23.2673



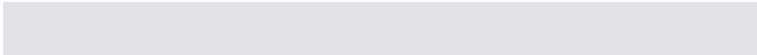
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

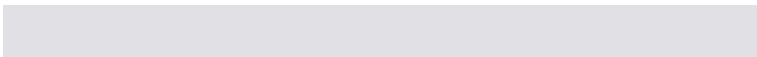
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0819, 75.9003, 84.9810



90.8461, 95.6875, 108.2892



71.6695, 74.8837, 84.8065



15.3246, 16.1455, 18.4530



10.3730, 7.8080, 43.3436



0.8555, 0.7548, 3.2326

Inverse Universe

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



72.6979, 75.4618, 82.6892



91.9284, 94.9240, 104.2614



73.6553, 78.0112, 81.6979



15.5552, 15.9842, 17.5944



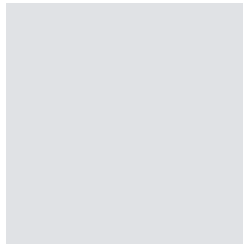
19.6293, 9.9859, 6.9429



1.4954, 0.7559, 0.7494

Previews

White Background



This preview shows how the XYZ color 72.0797, 75.8971, 84.9793 looks on a white background.

Color Contrast Check

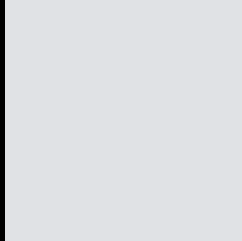
Large Text (above 18pt) WCAG AA × Fail

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 72.0797, 75.8971, 84.9793 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

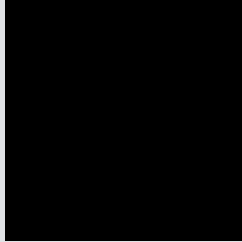
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

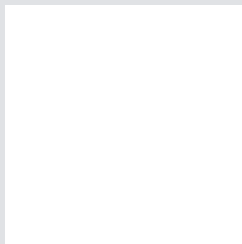
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0797, 75.8971, 84.9793

Background



This preview shows how black text looks on a background with the XYZ color 72.0797, 75.8971, 84.9793.

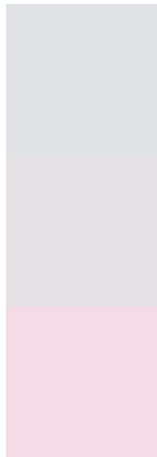


This preview shows how white text looks on a background with the XYZ color 72.0797, 75.8971,

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

72.0797, 75.8971, 84.9793

Protanopia

73.2419, 76.1099, 84.2292

Deuteranopia

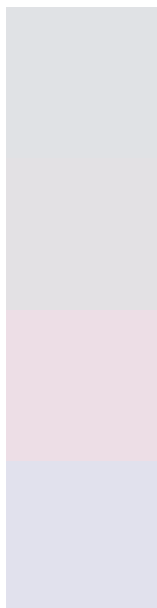
77.2706, 75.7887, 85.4190



Tritanopia

74.0467, 75.8909, 94.7501

Trichromacy



Original Color

72.0797, 75.8971, 84.9793

Protanomaly

72.6074, 75.7828, 84.1995

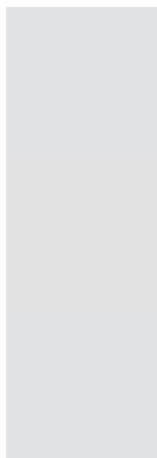
Deuteranomaly

75.3293, 75.9602, 85.5544

Tritanomaly

73.2626, 75.9724, 90.9236

Monochromacy



Original Color

72.0797, 75.8971, 84.9793

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

72.1128, 75.9463, 83.5314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0797, 75.8971, 84.9793 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, 226, 229) looks like.

```
.text, #text, p{  
    color:rgb(224, 226, 229)  
}
```

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, 226, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 226, 229) }
```

Border

The CSS property to change the border of an element to XYZ 72.0797, 75.8971, 84.9793 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, 226, 229) }
```


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

```
.border{ border-color:rgb(224, 226, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 226, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 226, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 226, 229);  
box-shadow:4px 4px 4px 4px rgb(224, 226,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0797, 75.8971, 84.9793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 226, 229) }
```

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

```
.background{ background-color: rgb(224,  
226, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor