

Converting Colors

XYZ(72.2252, 78.4377, 88.1873)

Have a look what the booklet for
XYZ(72.2252, 78.4377, 88.1873)
contains.

XYZ(72.1799, 78.3481, 88.4092)	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(72.1799, 78.3481,
88.4092)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E8E9
RGB	217, 232, 233
RGB Percent	85%, 91%, 91%
CMY	0.1490, 0.0902, 0.0863
CMYK	0.07, 0.00, 0.00, 0.09
HSL	184°, 27%, 88%
HSV	184°, 7%, 91%
XYZ	72.1799, 78.3481, 88.4092
YIQ	227.6290, -9.2610, -2.8690

Conversions

Conversions Part 2

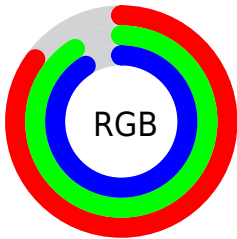
Format	Color
R _{YB}	217, 225, 233
Decimal	14280937
CIE Lab	90.94, -4.77, -2.21
CIE LCh	91, 5.255, 204.841
Yxy	78.3481, 0.3021, 0.3279
Android (android.graphics.Color)	4292471017 (0xFFD9E8E9)
YUV	227.6290, 2.6479, -9.3216
Hunter-Lab	88.5145, -9.3409, 2.7406

Details

The XYZ color **72.1799, 78.3481, 88.4092** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.2005, 72.4758, 75.8836**, and the grayscale version is **73.4598, 77.2854, 84.1638**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3614, 41.9064, 47.6618** is the 20% darker color. If you saturate the color by 10%, you get **65.3311, 74.2156, 87.9737**, and if you desaturate by 10%, it is **80.0143, 82.9980, 88.8950**.

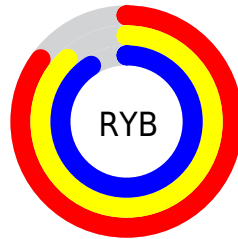
Distribution



Red (85%)

Green (91%)

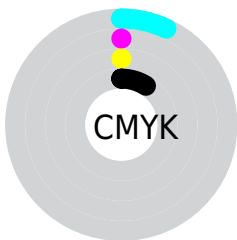
Blue (91%)



Red (85%)

Yellow (88%)

Blue (91%)

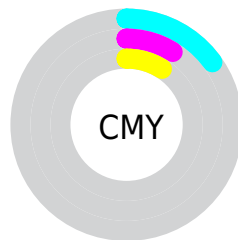


Cyan (7%)

Magenta (0%)

Yellow (0%)

Black (9%)



Cyan (15%)

Magenta (9%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1799, 78.3481, 88.4092 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 72.1799, 78.3481, 88.4092 by changing the saturation by 10% instead.

■ 72.1799, 78.3481,
88.4092

■ 72.1799, 78.3481,
88.4092

457.3154,
489.3482, 543.2783

■ 53.5916, 58.3600,
66.0957

121.3217,
131.0407, 147.0429

■ 38.5046, 42.0981,
47.8932

152.6059,
164.5140, 184.2001

■ 26.5536, 29.1781,
33.3829

188.8528,
203.2511, 227.1425

■ 17.3731, 19.2156,
22.1464

230.4278,
247.6365, 276.2883

■ 10.5978, 11.8262,
13.7652

277.6962,
298.0545, 332.0563

■ 5.8624, 6.6254,
7.8206

331.0234,

■ 2.8014, 3.2290,

354.8895, 394.8650

3.8943

390.7747,
418.5260, 465.1328

■ 1.0496, 1.2524,
1.5675

■ 0.0000, 0.1039,
0.2675

■ 72.1799, 78.3481,
88.4092

■ 72.1799, 78.3481,
88.4092

■ 65.3311, 74.2156,
87.9737

■ 80.0143, 82.9980,
88.8950

■ 59.4205, 70.5696,
87.5815

■ 85.6301, 86.5070,
89.2763

■ 54.4067, 67.3909,
87.2322

■ 86.0471, 87.3410,
89.4153

■ 50.2426, 64.6553,
86.9237

■ 86.4674, 88.1818,
89.5555

■ 46.8768, 62.3361,
86.6534

■ 86.8912, 89.0293,
89.6967

■ 44.2523, 60.4041,
86.4188

■ 87.3184, 89.8837,
89.8391

■ 42.3048, 58.8259,
86.2168

■ 87.7491, 90.7450,
89.9827

■ 40.9584, 57.5626,
86.0440

■ 88.1831, 91.6131,
90.1273

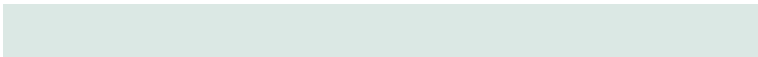
■ 40.1165, 56.5643,
85.8956

■ 88.6206, 92.4881,
90.2732

Harmonies

Analogous

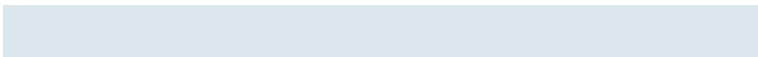
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9594, 78.3481, 84.6535



72.1799, 78.3481, 88.4092



73.0104, 78.3481, 91.4118

Triad

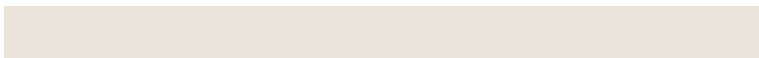
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1799, 78.3481, 88.4092



76.5694, 78.3481, 89.5777



74.6968, 78.3481, 78.2468

Complementary

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



72.1799, 78.3481, 88.4092



71.2005, 72.4758, 75.8836

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.



75.9439, 78.3481, 79.4817



72.1799, 78.3481, 88.4092



77.0332, 78.3481, 85.9653

Square

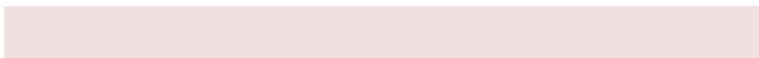
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1799, 78.3481, 88.4092



75.5427, 78.3481, 92.1003



76.8030, 78.3481, 82.2797



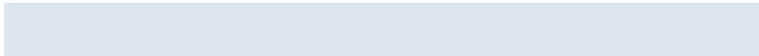
73.4026, 78.3481, 78.8577

Rectangle

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



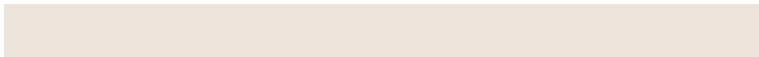
72.1799, 78.3481, 88.4092



73.8034, 78.3481, 92.5442



76.8030, 78.3481, 82.2797



75.1356, 78.3481, 78.4587

Sweetspot

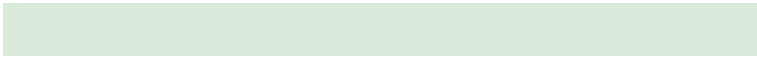
The Sweet Spot groups the original color and five complimentary colors.



72.1821, 78.3514, 88.4109



93.0973, 98.8430, 108.7796



70.3842, 78.0824, 77.5557



19.9471, 21.1686, 23.2846



0.0000, 0.0000, 0.0000



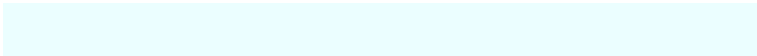
20.3446, 21.4041, 23.3091

Same Dimension

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



72.1821, 78.3514, 88.4109



87.5350, 95.5262, 108.4325



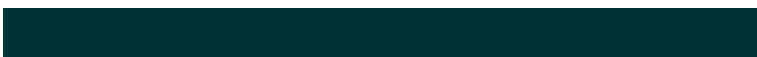
70.0340, 74.0552, 87.6949



15.4327, 16.9518, 19.3809



22.6779, 32.0029, 48.7249



1.8051, 2.5617, 3.8342

Inverse Universe

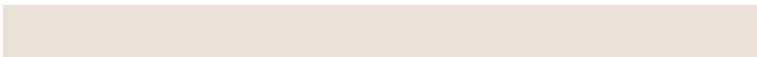
The Inverse Universe completely reimagines the original color for something new.



72.9844, 72.7772, 86.5484



88.6800, 87.5863, 105.7708



73.2719, 76.6188, 76.5741



15.6719, 15.2966, 18.8237



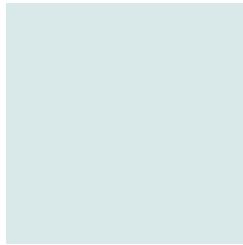
26.3021, 12.7235, 38.9876



2.0776, 1.0040, 3.1262

Previews

White Background



This preview shows how the XYZ color 72.1799, 78.3481, 88.4092 looks on a white background.

Color Contrast Check

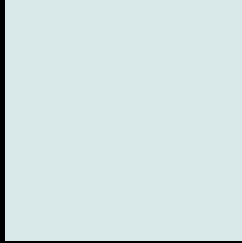
Large Text (above 18pt) WCAG AA × Fail

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 72.1799, 78.3481, 88.4092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

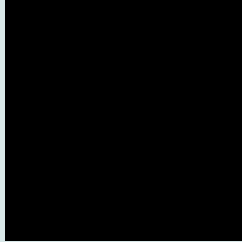
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

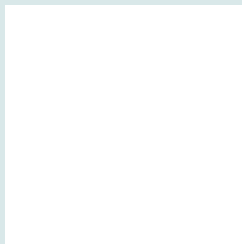
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.1799, 78.3481, 88.4092

Background



This preview shows how black text looks on a background with the XYZ color 72.1799, 78.3481, 88.4092.

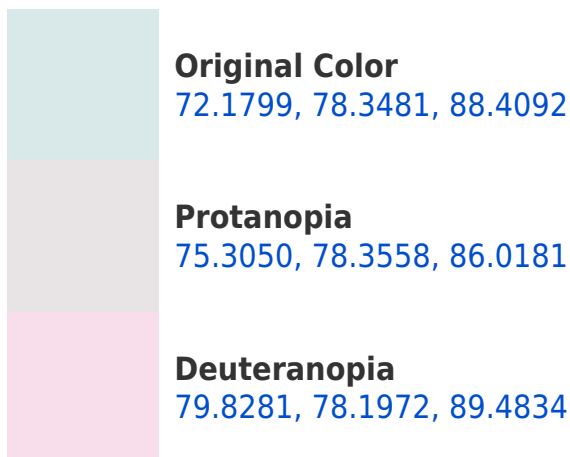


This preview shows how white text looks on a background with the XYZ color 72.1799, 78.3481,

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

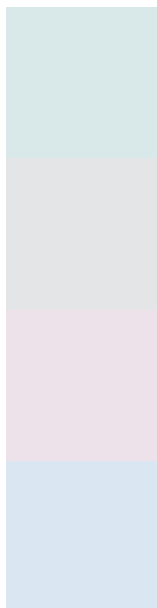




Tritanopia

74.4535, 78.4310, 100.0215

Trichromacy



Original Color

72.1799, 78.3481, 88.4092

Protanomaly

74.1217, 78.1390, 86.7770

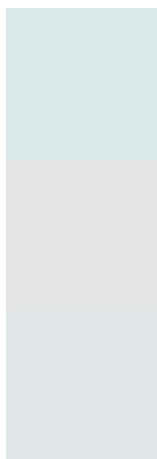
Deuteranomaly

76.9727, 78.3378, 88.9057

Tritanomaly

73.6670, 78.5283, 96.0688

Monochromacy



Original Color

72.1799, 78.3481, 88.4092

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.0427, 77.5991, 85.9913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1799, 78.3481, 88.4092 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(217, 232, 233) looks like.

```
.text, #text, p{  
    color:rgb(217, 232, 233)  
}
```

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(217, 232, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 232, 233) }
```

Border

The CSS property to change the border of an element to XYZ 72.1799, 78.3481, 88.4092 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(217, 232, 233) }
```


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

```
.border{ border-color:rgb(217, 232, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 232, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 232, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 232, 233);  
box-shadow:4px 4px 4px 4px rgb(217, 232,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1799, 78.3481, 88.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 232, 233) }
```

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

```
.background{ background-color: rgb(217,  
232, 233) }
```

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