

Converting Colors

XYZ(72.2868, 80.5059, 89.5712)

Have a look what the booklet for
XYZ(72.2868, 80.5059, 89.5712)
contains.

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Color

**XYZ(72.2868, 80.5059,
89.5712)**

Conversions

Conversions Part 1

Format	Color
Hex	D4EDEA
RGB	212, 237, 234
RGB Percent	83%, 93%, 92%
CMY	0.1686, 0.0706, 0.0823
CMYK	0.11, 0.00, 0.01, 0.07
HSL	173°, 41%, 88%
HSV	173°, 11%, 93%
XYZ	72.2868, 80.5059, 89.5712
YIQ	229.1830, -13.9370, -6.2330

Conversions

Conversions Part 2

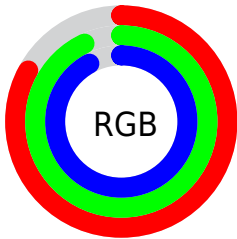
Format	Color
R_{YB}	212, 225, 237
Decimal	13954538
CIE _{Lab}	91.91, -8.74, -1.34
CIE _{LCh}	92, 8.840, 188.747
Yxy	80.5059, 0.2983, 0.3322
Android (android.graphics.Color)	4292144618 (0xFFD4EDEA)
YUV	229.1830, 2.3748, -15.0695
Hunter-Lab	89.7251, -13.2108, 3.6192

Details

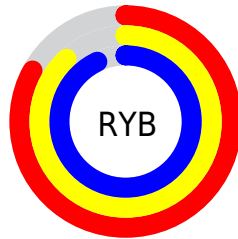
The XYZ color **72.2868, 80.5059, 89.5712** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.7371, 69.9998, 74.0766**, and the grayscale version is **74.6031, 78.4883, 85.4738**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4644, 43.4302, 48.4751** is the 20% darker color. If you saturate the color by 10%, you get **65.5447, 77.0793, 87.1392**, and if you desaturate by 10%, it is **80.0429, 84.4589, 92.0884**.

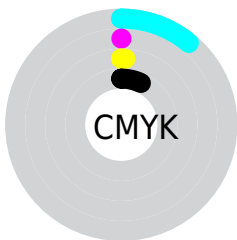
Distribution



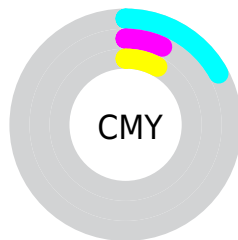
- Red (83%)
- Green (93%)
- Blue (92%)



- Red (83%)
- Yellow (88%)
- Blue (93%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (7%)



- Cyan (17%)
- Magenta (7%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2868, 80.5059, 89.5712 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 72.2868, 80.5059, 89.5712 by changing the saturation by 10% instead.

72.2868, 80.5059,
89.5712

72.2868, 80.5059,
89.5712

457.6814,
496.6361, 547.1691

53.6793, 60.1347,
67.0533

121.4728,
134.0768, 148.6729

38.5750, 43.5273,
48.6661

152.7820,
168.0453, 186.0939

26.6085, 30.2990,
33.9910

189.0558,
207.3150, 229.3197

17.4145, 20.0657,
22.6093

230.6596,
252.2704, 278.7687

10.6276, 12.4428,
14.1027

277.9587,
303.2958, 334.8597

5.8824, 7.0460,
8.0526

331.3184,

2.8137, 3.4909,

360.7756, 398.0110

4.0404

391.1042,
425.0943, 468.6413

■ 1.0560, 1.3931,
1.6475

■ 0.0000, 0.2116,
0.3244

■ 72.2868, 80.5059,
89.5712

■ 72.2868, 80.5059,
89.5712

■ 65.5447, 77.0793,
87.1392

■ 80.0429, 84.4589,
92.0884

■ 59.7662, 74.1465,
84.7847

■ 87.2087, 88.1045,
94.6107

■ 54.9068, 71.6868,
82.5073

■ 87.6343, 88.2748,
96.8522

■ 50.9159, 69.6740,
80.3043

■ 88.0666, 88.4477,
99.1288

■ 47.7380, 68.0796,
78.1731

■ 88.5057, 88.6234,
101.4406

■ 45.3109, 66.8716,
76.1105

■ 88.9514, 88.8017,
103.7879

■ 43.5638, 66.0133,
74.1130

■ 89.4039, 88.9826,
106.1707

■ 42.4116, 65.4610,
72.1767

■ 89.5757, 89.0514,
107.0752

■ 41.7369, 65.1518,
70.3964

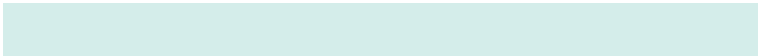
Harmonies

Analogous

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



72.5239, 80.5059, 83.2056



72.2868, 80.5059, 89.5712



73.1660, 80.5059, 95.7126

Triad

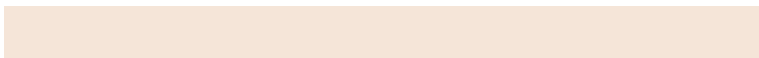
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.2868, 80.5059, 89.5712



79.2817, 80.5059, 97.7678



78.1108, 80.5059, 76.5201

Complementary

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



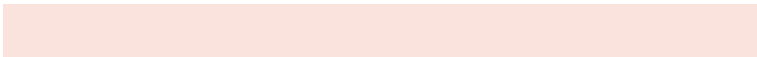
72.2868, 80.5059, 89.5712



70.7371, 69.9998, 74.0766

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.



79.9718, 80.5059, 80.0671



72.2868, 80.5059, 89.5712



80.6571, 80.5059, 92.2649

Square

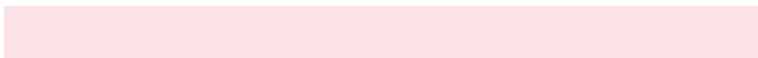
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2868, 80.5059, 89.5712



77.1839, 80.5059, 100.5959



80.9121, 80.5059, 85.7707



75.8569, 80.5059, 75.8785

Rectangle

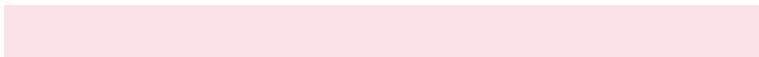
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.2868, 80.5059, 89.5712



74.2772, 80.5059, 98.7788



80.9121, 80.5059, 85.7707



78.8044, 80.5059, 77.4035

Sweetspot

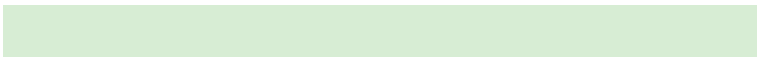
The Sweet Spot groups the original color and five complimentary colors.



72.2891, 80.5093, 89.5730



92.1437, 98.5188, 107.9935



70.2925, 79.8228, 73.9911



19.5603, 21.0044, 23.0635



0.0000, 0.0000, 0.0000



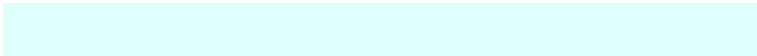
20.3446, 21.4041, 23.3091

Same Dimension

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



72.2891, 80.5093, 89.5730



83.2537, 93.9921, 105.0360



70.1374, 75.5093, 91.0028



15.4352, 17.0889, 18.9747



22.8183, 35.5818, 38.6038



1.8138, 2.8028, 3.1472

Inverse Universe

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



70.7371, 69.9998, 74.0766



81.0259, 78.9047, 82.7903



72.7119, 74.5615, 72.8480



15.1391, 15.0835, 16.0176



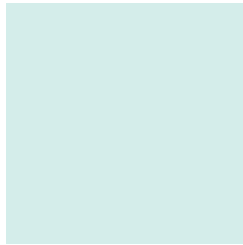
19.2102, 9.8868, 1.6422



1.5325, 0.7860, 0.2557

Previews

White Background



This preview shows how the XYZ color 72.2868, 80.5059, 89.5712 looks on a white background.

Color Contrast Check

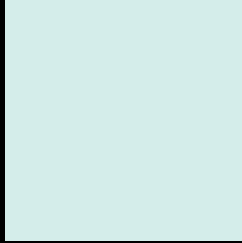
Large Text (above 18pt) WCAG AA × Fail

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 72.2868, 80.5059, 89.5712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

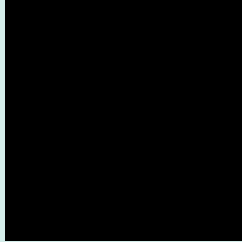
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

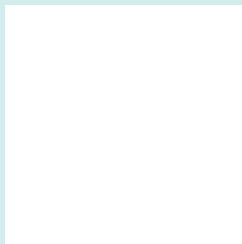
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2868, 80.5059, 89.5712

Background



This preview shows how black text looks on a background with the XYZ color 72.2868, 80.5059, 89.5712.



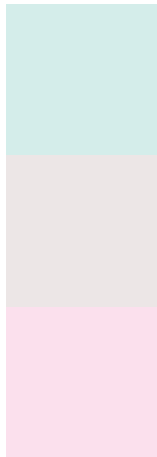
This preview shows how white text looks on a background with the XYZ color 72.2868, 80.5059,

89.5712.

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

72.2868, 80.5059, 89.5712

Protanopia

77.1718, 80.1397, 86.2640

Deuteranopia

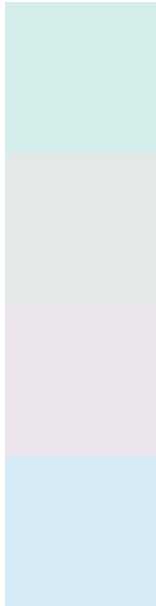
81.7254, 79.9350, 91.2424



Tritanopia

75.1768, 80.3846, 104.4820

Trichromacy



Original Color

72.2868, 80.5059, 89.5712

Protanomaly

75.2413, 80.3782, 87.1502

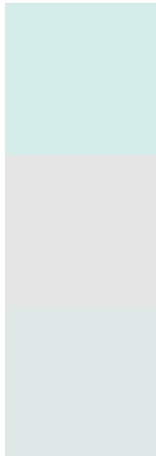
Deuteranomaly

78.0847, 80.0993, 90.7021

Tritanomaly

74.0744, 80.3666, 98.7969

Monochromacy



Original Color

72.2868, 80.5059, 89.5712

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.7118, 79.1707, 86.9978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2868, 80.5059, 89.5712 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(212, 237, 234)` looks like.

```
.text, #text, p{  
    color:rgb(212, 237, 234)  
}
```

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(212, 237, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 237, 234) }
```

Border

The CSS property to change the border of an element to XYZ 72.2868, 80.5059, 89.5712 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(212, 237, 234) }
```


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

```
.border{ border-color:rgb(212, 237, 234) }
```

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

Here you see how a box with a 4 pixel rgb(212, 237, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 237, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 237, 234);  
box-shadow:4px 4px 4px 4px rgb(212, 237,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2868, 80.5059, 89.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 237, 234) }
```

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

```
.background{ background-color: rgb(212,  
237, 234) }
```

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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