

# Converting Colors

XYZ(72.1609, 79.6012, 88.7202)

Have a look what the booklet for  
XYZ(72.1609, 79.6012, 88.7202)  
contains.

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# Color

**XYZ(72.1479, 79.5960,  
88.6518)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6EBE9
RGB	214, 235, 233
RGB Percent	84%, 92%, 91%
CMY	0.1608, 0.0784, 0.0863
CMYK	0.09, 0.00, 0.01, 0.08
HSL	174°, 34%, 88%
HSV	174°, 9%, 92%
XYZ	72.1479, 79.5960, 88.6518
YIQ	228.4930, -11.8740, -5.0740

# Conversions

## Conversions Part 2

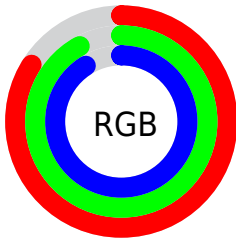
Format	Color
<a href="#">RYB</a>	<a href="#">214, 225, 235</a>
Decimal	<a href="#">14085097</a>
CIELab	<a href="#">91.50, -7.27, -1.40</a>
CIELCh	<a href="#">92, 7.405, 190.934</a>
Yxy	<a href="#">79.5960, 0.3001, 0.3311</a>
Android (android.graphics.Color)	<a href="#">4292275177</a> ( <a href="#">0xFFD6EBE9</a> )
YUV	<a href="#">228.4930, 2.2220, -12.7104</a>
Hunter-Lab	<a href="#">89.2166, -11.7792, 3.5370</a>

# Details

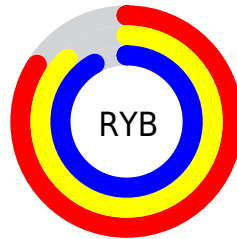
The XYZ color **72.1479, 79.5960, 88.6518** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.7051, 70.7153, 74.8923**, and the grayscale version is **74.0962, 77.9550, 84.8930**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.3540, 42.7855, 47.8319** is the 20% darker color. If you saturate the color by 10%, you get **65.4604, 76.1874, 86.6792**, and if you desaturate by 10%, it is **79.8335, 83.5230, 90.6956**.

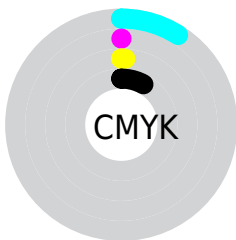
# Distribution



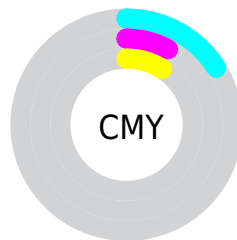
- Red (84%)
- Green (92%)
- Blue (91%)



- Red (84%)
- Yellow (88%)
- Blue (92%)



- Cyan (9%)
- Magenta (0%)
- Yellow (1%)
- Black (8%)



- Cyan (16%)
- Magenta (8%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1479, 79.5960, 88.6518 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 72.1479, 79.5960, 88.6518 by changing the saturation by 10% instead.



72.1479, 79.5960,  
88.6518

72.1479, 79.5960,  
88.6518

457.2059,  
493.5703, 544.0919

53.5654, 59.3860,  
66.2956

121.2764,  
132.7976, 147.3834

38.4836, 42.9239,  
48.0544

152.5532,  
166.5579, 184.5958

26.5372, 29.8254,  
33.5097

188.7921,  
205.6038, 227.5974

17.3607, 19.7061,  
22.2429

230.3585,  
250.3196, 276.8068

10.5889, 12.1816,  
13.8354

277.6177,  
301.0898, 332.6423

5.8564, 6.8675,  
7.8689

330.9351,

2.7978, 3.3794,

358.2987, 395.5227

3.9246

390.6760,  
422.3307, 465.8664

■ 1.0477, 1.3328,  
1.5841

■ 0.0000, 0.1664,  
0.2794

■ 72.1479, 79.5960,  
88.6518

■ 72.1479, 79.5960,  
88.6518

■ 65.4604, 76.1874,  
86.6792

■ 79.8335, 83.5230,  
90.6956

■ 59.7220, 73.2655,  
84.7706


■ 86.3069, 86.8224,  
92.7024


■ 54.8898, 70.8102,  
82.9254


■ 86.6374, 86.9547,  
94.4431

■ 50.9148, 68.7964,  
81.1414


■ 86.9721, 87.0885,  
96.2054

 47.7435, 67.1964,  
79.4159


 87.3109, 87.2240,  
97.9895


 45.3163, 65.9796,  
77.7461


 87.6538, 87.3612,  
99.7954


 43.5654, 65.1109,  
76.1287

 88.0009, 87.5001,  
101.6231

 42.4103, 64.5490,  
74.5599

 88.3522, 87.6406,  
103.4729

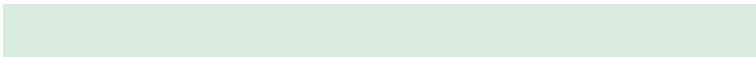
 41.7293, 64.2310,  
73.0339

 88.7076, 87.7827,  
105.3447

# Harmonies

## Analogous

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



72.2770, 79.5960, 83.3173



72.1479, 79.5960, 88.6518



72.9464, 79.5960, 93.6522

# Triad

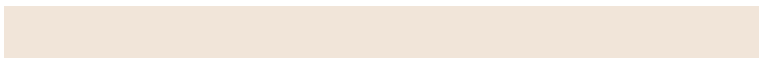
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.1479, 79.5960, 88.6518



78.0550, 79.5960, 94.7535



76.8446, 79.5960, 77.2146

# Complementary

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



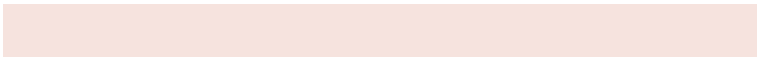
72.1479, 79.5960, 88.6518



70.7051, 70.7153, 74.8923

# 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.



78.4270, 79.5960, 80.0371



72.1479, 79.5960, 88.6518



79.1338, 79.5960, 90.1043

# Square

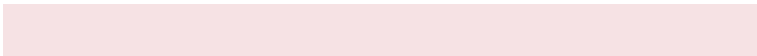
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



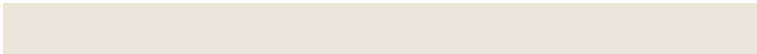
72.1479, 79.5960, 88.6518



76.3437, 79.5960, 97.2711



79.2711, 79.5960, 84.7111



74.9677, 79.5960, 76.8621



# Rectangle

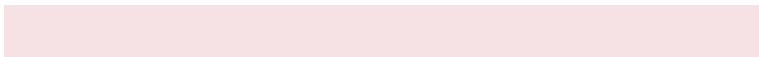
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



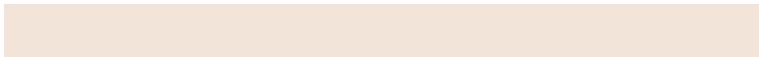
72.1479, 79.5960, 88.6518



73.9051, 79.5960, 96.0669



79.2711, 79.5960, 84.7111



77.4295, 79.5960, 77.9003

# Sweetspot

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



72.1502, 79.5994, 88.6536



92.1740, 98.5309, 108.1533



70.1968, 78.8893, 75.1471



19.5686, 21.0077, 23.1068



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

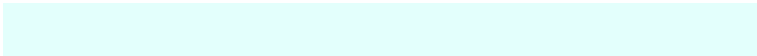


# Same Dimension

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



72.1502, 79.5994, 88.6536



85.0449, 94.8916, 106.1987



70.0891, 75.0166, 89.3867



15.4521, 17.0957, 19.0637



23.2150, 35.7405, 40.6929



1.8410, 2.8137, 3.2904



# Inverse Universe

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



70.7051, 70.7153, 74.8923



82.9258, 81.8630, 86.0181



72.6290, 74.9752, 74.2634



15.1238, 15.0774, 15.9374



19.1711, 9.8711, 1.4364

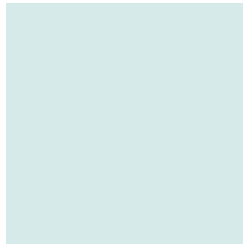


1.5253, 0.7831, 0.2174



# Previews

## White Background



This preview shows how the XYZ color 72.1479, 79.5960, 88.6518 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

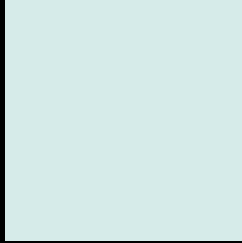
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1479, 79.5960, 88.6518 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

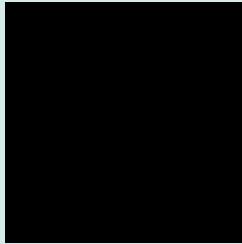
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

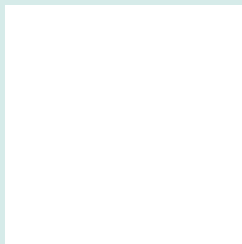
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.1479, 79.5960, 88.6518**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.1479, 79.5960, 88.6518.



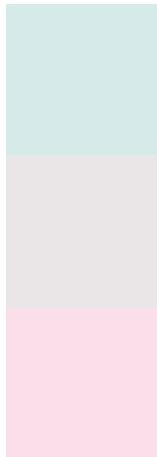
This preview shows how white text looks on a background with the XYZ color 72.1479, 79.5960,



# 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

72.1479, 79.5960, 88.6518

### Protanopia

76.2339, 79.2442, 86.1406

### Deuteranopia

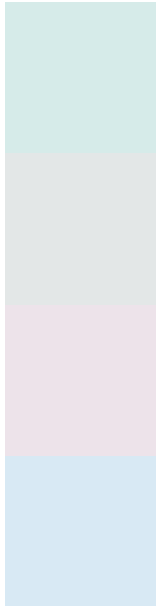
80.8074, 79.0975, 89.6056



## Tritanopia

74.8845, 79.4300, 102.6515

# Trichromacy



## Original Color

72.1479, 79.5960, 88.6518

## Protanomaly

74.6783, 79.2522, 86.9626

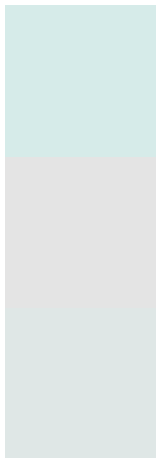
## Deuteranomaly

77.2454, 78.8832, 88.9966

## Tritanomaly

73.7869, 79.4084, 97.0263

# Monochromacy



## Original Color

72.1479, 79.5960, 88.6518

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.2903, 78.5530, 86.1623

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1479, 79.5960, 88.6518 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(214, 235, 233)` looks like.

```
.text, #text, p{  
    color:rgb(214, 235, 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(214, 235, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 235, 233) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1479, 79.5960, 88.6518 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(214, 235, 233) }
```



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

```
.border{ border-color:rgb(214, 235, 233) }
```

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

Here you see how a box with a 4 pixel rgb(214, 235, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 235, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 235, 233);  
box-shadow:4px 4px 4px 4px rgb(214, 235,  
233) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1479, 79.5960, 88.6518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 235, 233) }
```

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

```
.background{ background-color: rgb(214,  
235, 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](#).

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