

Converting Colors

XYZ(68.8833, 72.3252, 90.5657)

Have a look what the booklet for
XYZ(68.8833, 72.3252, 90.5657)
contains.

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Color

**XYZ(68.8479, 72.5031,
90.4866)**

Conversions

Conversions Part 1

Format	Color
Hex	D5DEED
RGB	213, 222, 237
RGB Percent	84%, 87%, 93%
CMY	0.1647, 0.1294, 0.0706
CMYK	0.10, 0.06, 0.00, 0.07
HSL	217°, 40%, 88%
HSV	217°, 10%, 93%
XYZ	68.8479, 72.5031, 90.4866
YIQ	221.0190, -10.1790, 2.7570

Conversions

Conversions Part 2

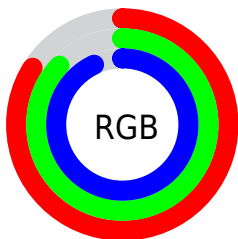
Format	Color
R _Y B	213, 220, 237
Decimal	14016237
CIE Lab	88.21, -0.14, -8.36
CIE LCh	88, 8.363, 269.045
Yxy	72.5031, 0.2970, 0.3127
Android (android.graphics.Color)	4292206317 (0xFFD5DEED)
YUV	221.0190, 7.8786, -7.0327
Hunter-Lab	85.1488, -4.6823, -3.4027

Details

The XYZ color **68.8479, 72.5031, 90.4866** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.6790, 78.2949, 74.1285**, and the grayscale version is **68.6939, 72.2713, 78.7035**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.2598, 38.2427, 49.1866** is the 20% darker color. If you saturate the color by 10%, you get **58.7077, 61.6924, 88.9355**, and if you desaturate by 10%, it is **80.3424, 84.5288, 92.2031**.

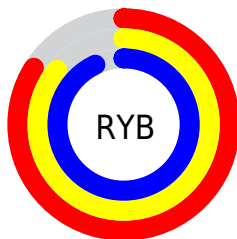
Distribution



Red (84%)

Green (87%)

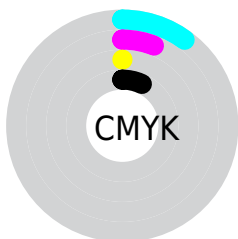
Blue (93%)



Red (84%)

Yellow (86%)

Blue (93%)

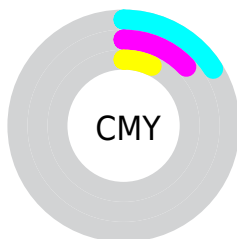


Cyan (10%)

Magenta (6%)

Yellow (0%)

Black (7%)



Cyan (16%)

Magenta (13%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8479, 72.5031, 90.4866 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 68.8479, 72.5031, 90.4866 by changing the saturation by 10% instead.

■ 68.8479, 72.5031,
90.4866

■ 68.8479, 72.5031,
90.4866

445.8241,
469.2908, 550.2234

■ 50.8640, 53.5698,
67.8083

116.5996,
122.7715, 149.9555

■ 36.3210, 38.2578,
49.2761

147.0981,
154.8754, 187.5833

■ 24.8535, 26.1828,
34.4714

182.4989,
192.1383, 231.0312

■ 16.0961, 16.9605,
22.9757

223.1672,
234.9445, 280.7180

■ 9.6834, 10.2063,
14.3704

269.4686,
283.6784, 337.0620

■ 5.2502, 5.5360,
8.2371

321.7683,

■ 2.4311, 2.5650,

338.7246, 400.4819

4.1571

380.4317,
400.4672, 471.3962

■ 0.8606, 0.9091,
1.7119

■ 0.0000, 0.0000,
0.3689

■ 68.8479, 72.5031,
90.4866

■ 68.8479, 72.5031,
90.4866

■ 58.7077, 61.6924,
88.9355

■ 80.3424, 84.5288,
92.2031

■ 49.8633, 52.0476,
87.5400

■ 91.2187, 96.7593,
93.9906

■ 42.2610, 43.5292,
86.2965

■ 92.2863, 98.8945,
94.3464

■ 35.8408, 36.0920,
85.1993

■ 30.5372, 29.6873,
84.2427

■ 26.2781, 24.2623,
83.4200

■ 22.9816, 19.7581,
82.7243

■ 20.5520, 16.1076,
82.1478

■ 18.8509, 13.2438,
81.6847

Harmonies

Analogous

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



66.9511, 72.5031, 88.7795



68.8479, 72.5031, 90.4866



70.7977, 72.5031, 88.9783

Triad

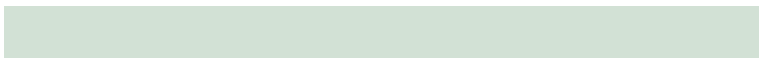
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8479, 72.5031, 90.4866



72.3322, 72.5031, 73.7116



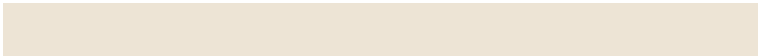
65.6635, 72.5031, 73.4081

Complementary

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



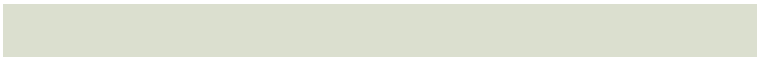
68.8479, 72.5031, 90.4866



74.6790, 78.2949, 74.1285

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.



67.0601, 72.5031, 69.6931



68.8479, 72.5031, 90.4866



70.9109, 72.5031, 69.8623

Square

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



68.8479, 72.5031, 90.4866



72.8327, 72.5031, 79.1274



68.9762, 72.5031, 68.4264



65.1346, 72.5031, 78.7600

Rectangle

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



68.8479, 72.5031, 90.4866



71.8601, 72.5031, 86.3918



68.9762, 72.5031, 68.4264



66.0457, 72.5031, 71.9362

Sweetspot

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



68.8500, 72.5061, 90.4882



90.7853, 95.5657, 108.2689



71.7018, 80.3061, 84.9761



19.1932, 20.2061, 23.1385



0.0000, 0.0000, 0.0000



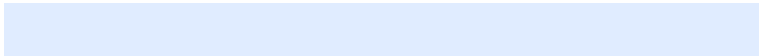
20.3446, 21.4041, 23.3091

Same Dimension

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



68.8500, 72.5061, 90.4882



78.8752, 83.0526, 106.4813



67.3414, 68.2728, 89.7506



14.6942, 15.4748, 19.1347



10.4078, 7.4626, 44.6348



0.9071, 0.7656, 3.5348

Inverse Universe

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



71.9058, 70.8685, 78.9999



83.1260, 80.8357, 90.4864



76.2930, 82.9000, 74.9323



15.2992, 15.1475, 16.8608



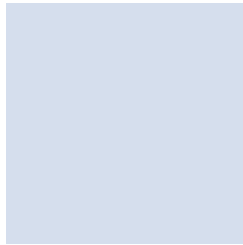
20.1087, 10.2462, 6.3736



1.6243, 0.8227, 0.7391

Previews

White Background



This preview shows how the XYZ color 68.8479, 72.5031, 90.4866 looks on a white background.

Color Contrast Check

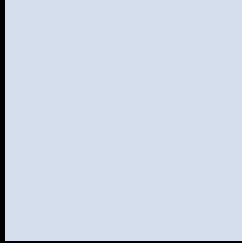
Large Text (above 18pt) WCAG AA × Fail

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 68.8479, 72.5031, 90.4866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

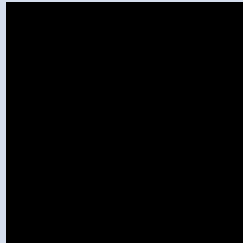
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8479, 72.5031, 90.4866

Background



This preview shows how black text looks on a background with the XYZ color 68.8479, 72.5031, 90.4866.



This preview shows how white text looks on a background with the XYZ color 68.8479, 72.5031,

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

68.8479, 72.5031, 90.4866

Protanopia

70.5523, 72.6147, 89.6544

Deuteranopia

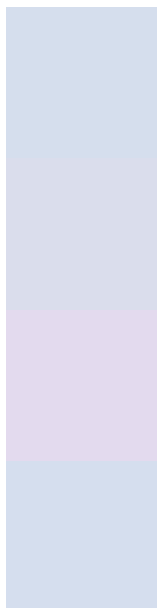
73.9940, 72.4361, 90.9706



Tritanopia

69.1418, 72.6207, 92.0344

Trichromacy



Original Color

68.8479, 72.5031, 90.4866

Protanomaly

69.9102, 72.6745, 89.6998

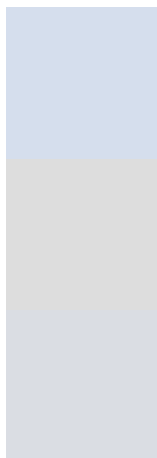
Deuteranomaly

72.1826, 72.6467, 91.1067

Tritanomaly

68.9945, 72.5617, 91.2583

Monochromacy



Original Color

68.8479, 72.5031, 90.4866

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.6350, 72.1644, 82.9847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8479, 72.5031, 90.4866 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(213, 222, 237)` looks like.

```
.text, #text, p{  
    color:rgb(213, 222, 237)  
}
```

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(213, 222, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 222, 237) }
```

Border

The CSS property to change the border of an element to XYZ 68.8479, 72.5031, 90.4866 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(213, 222, 237) }
```


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

```
.border{ border-color:rgb(213, 222, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 222, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 222, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 222, 237);  
box-shadow:4px 4px 4px 4px rgb(213, 222,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8479, 72.5031, 90.4866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 222, 237) }
```

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

```
.background{ background-color: rgb(213,  
222, 237) }
```

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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