

Converting Colors

XYZ(65.8019, 70.0976, 89.0686)

Have a look what the booklet for
XYZ(65.8019, 70.0976, 89.0686)
contains.

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Color

**XYZ(65.9104, 70.2217,
89.4372)**

Conversions

Conversions Part 1

Format	Color
Hex	CDDCEC
RGB	205, 220, 236
RGB Percent	80%, 86%, 93%
CMY	0.1961, 0.1372, 0.0745
CMYK	0.13, 0.07, 0.00, 0.07
HSL	211°, 45%, 86%
HSV	211°, 13%, 93%
XYZ	65.9104, 70.2217, 89.4372
YIQ	217.3390, -14.0760, 1.7960

Conversions

Conversions Part 2

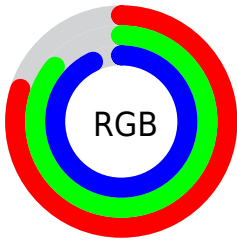
Format	Color
R _Y B	205, 215, 236
Decimal	13491436
CIE Lab	87.11, -1.86, -9.54
CIE LCh	87, 9.716, 258.981
Yxy	70.2217, 0.2922, 0.3113
Android (android.graphics.Color)	4291681516 (0xFFCDDCEC)
YUV	217.3390, 9.1999, -10.8213
Hunter-Lab	83.7984, -6.2506, -4.6208

Details

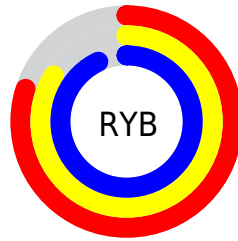
The XYZ color **65.9104, 70.2217, 89.4372** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **71.4684, 73.9533, 68.2667**, and the grayscale version is **66.1333, 69.5774, 75.7698**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.4559, 36.7849, 48.4642** is the 20% darker color. If you saturate the color by 10%, you get **56.8046, 60.9558, 88.1297**, and if you desaturate by 10%, it is **76.2351, 80.4654, 90.8714**.

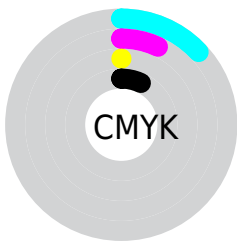
Distribution



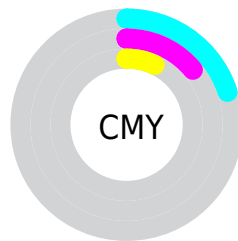
- Red (80%)
- Green (86%)
- Blue (93%)



- Red (80%)
- Yellow (84%)
- Blue (93%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (7%)



- Cyan (20%)
- Magenta (14%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9104, 70.2217, 89.4372 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 65.9104, 70.2217, 89.4372 by changing the saturation by 10% instead.

■ 65.9104, 70.2217,
89.4372

■ 65.9104, 70.2217,
89.4372

435.5501,
461.3280, 546.7212

■ 48.4671, 51.7073,
66.9429

112.4162,
119.5249, 148.4851

■ 34.4097, 36.7718,
48.5769

142.2093,
151.0824, 185.8757

■ 23.3729, 25.0309,
33.9207

176.8499,
187.7565, 229.0688

■ 14.9913, 16.1001,
22.5558

216.7031,
229.9314, 278.4830

■ 8.8996, 9.5950,
14.0637

262.1344,
277.9916, 334.5368

■ 4.7323, 5.1313,
8.0257

313.5091,

■ 2.1242, 2.3245,

332.3216, 397.6488

4.0234

371.1925,
393.3056, 468.2374

■ 0.7023, 0.7866,
1.6382

■ 0.0000, 0.0000,
0.3179

■ 65.9104, 70.2217,
89.4372

■ 65.9104, 70.2217,
89.4372

■ 56.8046, 60.9558,
88.1297

■ 76.2351, 80.4654,
90.8714

■ 48.8628, 52.6265,
86.9406

■ 87.8185, 91.7088,
92.4311

■ 42.0347, 45.2021,
85.8674

■ 92.1405, 98.8362,
93.5790

■ 36.2640, 38.6458,
84.9061

■ 31.4887, 32.9176,
84.0521

■ 27.6397, 27.9732,
83.3006

■ 24.6378, 23.7632,
82.6462

■ 22.3883, 20.2294,
82.0827

■ 21.1824, 18.1399,
81.7429

Harmonies

Analogous

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



63.9116, 70.2217, 86.3138



65.9104, 70.2217, 89.4372



68.1776, 70.2217, 88.9380

Triad

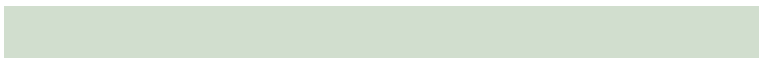
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.9104, 70.2217, 89.4372



70.9693, 70.2217, 72.4539



63.4950, 70.2217, 68.5230

Complementary

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



65.9104, 70.2217, 89.4372



71.4684, 73.9533, 68.2667

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.



65.3299, 70.2217, 65.2065



65.9104, 70.2217, 89.4372



69.6581, 70.2217, 67.3853

Square

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



65.9104, 70.2217, 89.4372



71.1333, 70.2217, 78.8809



67.5838, 70.2217, 64.8021



62.5384, 70.2217, 74.0882

Rectangle

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



65.9104, 70.2217, 89.4372



69.5354, 70.2217, 86.6250



67.5838, 70.2217, 64.8021



64.0276, 70.2217, 67.1221

Sweetspot

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



65.9125, 70.2246, 89.4388



89.7402, 94.8041, 108.1769



68.1582, 78.1652, 79.5542



19.0002, 20.0874, 23.1258



0.0000, 0.0000, 0.0000



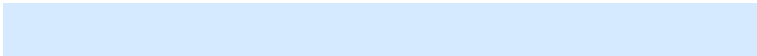
20.3446, 21.4041, 23.3091

Same Dimension

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



65.9125, 70.2246, 89.4388



75.2474, 80.3611, 106.1530



62.1499, 62.6994, 88.1846



14.8329, 15.7522, 19.1809



11.8044, 10.2558, 45.1004



1.0229, 0.9972, 3.5734

Inverse Universe

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



69.3433, 66.6644, 76.9263



80.1807, 75.3918, 88.1272



75.6082, 82.2328, 69.6466



15.3692, 15.1755, 17.2294



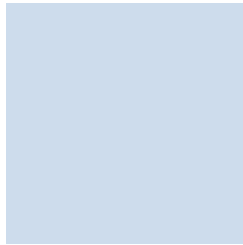
20.8136, 10.5281, 10.0858



1.6828, 0.8461, 1.0470

Previews

White Background



This preview shows how the XYZ color 65.9104, 70.2217, 89.4372 looks on a white background.

Color Contrast Check

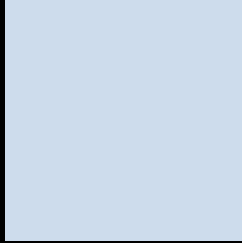
Large Text (above 18pt) WCAG AA × Fail

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 65.9104, 70.2217, 89.4372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

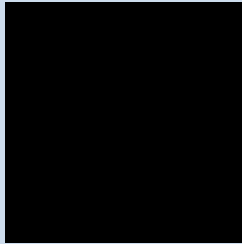
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

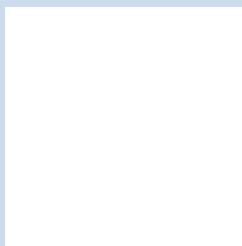
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.9104, 70.2217, 89.4372

Background



This preview shows how black text looks on a background with the XYZ color 65.9104, 70.2217, 89.4372.

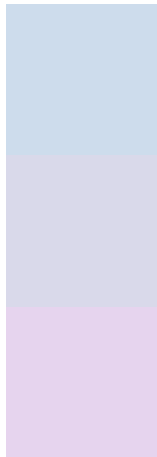


This preview shows how white text looks on a background with the XYZ color 65.9104, 70.2217,

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

65.9104, 70.2217, 89.4372

Protanopia

68.2794, 70.3179, 87.8159

Deuteranopia

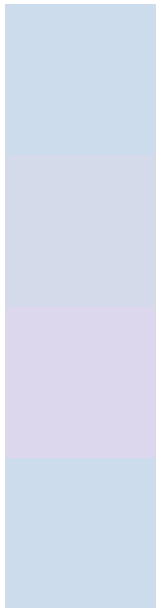
71.6092, 70.0830, 90.6421



Tritanopia

66.0561, 70.2800, 90.2046

Trichromacy



Original Color

65.9104, 70.2217, 89.4372

Protanomaly

67.5074, 70.2871, 88.6060

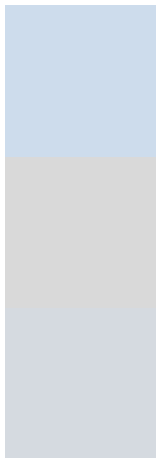
Deuteranomaly

69.4053, 70.0875, 89.9909

Tritanomaly

66.0561, 70.2800, 90.2046

Monochromacy



Original Color

65.9104, 70.2217, 89.4372

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.9665, 69.6708, 80.4920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9104, 70.2217, 89.4372 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(205, 220, 236) looks like.

```
.text, #text, p{  
    color:rgb(205, 220, 236)  
}
```

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(205, 220, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 220, 236) }
```

Border

The CSS property to change the border of an element to XYZ 65.9104, 70.2217, 89.4372 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(205, 220, 236) }
```


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

```
.border{ border-color:rgb(205, 220, 236) }
```

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

Here you see how a box with a 4 pixel rgb(205, 220, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 220, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 220, 236);  
box-shadow:4px 4px 4px 4px rgb(205, 220,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9104, 70.2217, 89.4372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 220, 236) }
```

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

```
.background{ background-color: rgb(205,  
220, 236) }
```

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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