

Converting Colors

XYZ(64.8991, 70.9219, 89.6266)

Have a look what the booklet for
XYZ(64.8991, 70.9219, 89.6266)
contains.

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Color

**XYZ(64.8167, 70.8372,
89.6136)**

Conversions

Conversions Part 1

Format	Color
Hex	C6DFEC
RGB	198, 223, 236
RGB Percent	78%, 87%, 93%
CMY	0.2235, 0.1255, 0.0745
CMYK	0.16, 0.06, 0.00, 0.07
HSL	201°, 50%, 85%
HSV	201°, 16%, 93%
XYZ	64.8167, 70.8372, 89.6136
YIQ	217.0070, -19.0730, -1.2570

Conversions

Conversions Part 2

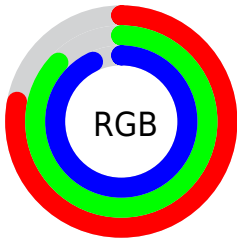
Format	Color
R _Y B	198, 213, 236
Decimal	13033452
CIE Lab	87.41, -5.61, -9.14
CIE LCh	87, 10.728, 238.449
Yxy	70.8372, 0.2877, 0.3145
Android (android.graphics.Color)	4291223532 (0xFFC6DFEC)
YUV	217.0070, 9.3635, -16.6691
Hunter-Lab	84.1648, -9.8227, -4.2130

Details

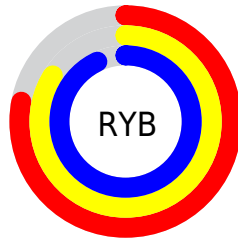
The XYZ color **64.8167, 70.8372, 89.6136** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **68.0800, 68.4986, 63.0609**, and the grayscale version is **65.9070, 69.3393, 75.5105**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7425, 37.2298, 48.5877** is the 20% darker color. If you saturate the color by 10%, you get **56.9691, 63.6677, 88.6445**, and if you desaturate by 10%, it is **73.7405, 78.7178, 90.6655**.

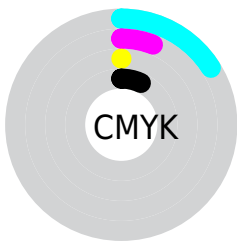
Distribution



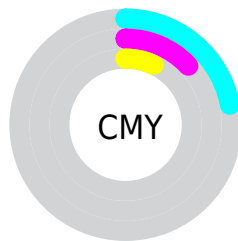
- Red (78%)
- Green (87%)
- Blue (93%)



- Red (78%)
- Yellow (84%)
- Blue (93%)



- Cyan (16%)
- Magenta (6%)
- Yellow (0%)
- Black (7%)



- Cyan (22%)
- Magenta (13%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.8167, 70.8372, 89.6136 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 64.8167, 70.8372, 89.6136 by changing the saturation by 10% instead.

■ 64.8167, 70.8372,
89.6136

■ 64.8167, 70.8372,
89.6136

431.6886,
463.4841, 547.3107

■ 47.5766, 52.2094,
67.0883

110.8535,
120.4019, 148.7324

■ 33.7016, 37.1720,
48.6943

140.3809,
152.1075, 186.1629

■ 22.8262, 25.3407,
34.0132

174.7347,
188.9412, 229.3990

■ 14.5852, 16.3310,
22.6263

214.2804,
231.2873, 278.8591

■ 8.6132, 9.7587,
14.1151

259.3833,
279.5303, 334.9618

■ 4.5449, 5.2393,
8.0611

310.4087,

■ 2.0148, 2.3883,

334.0545, 398.1256

4.0457

367.7220,
395.2443, 468.7691

■ 0.6422, 0.8199,
1.6505

■ 0.0000, 0.0000,
0.3265

■ 64.8167, 70.8372,
89.6136

■ 64.8167, 70.8372,
89.6136

■ 56.9691, 63.6677,
88.6445

■ 73.7405, 78.7178,
90.6655

■ 50.1454, 57.1748,
87.7509

■ 83.7775, 87.3252,
91.7979

■ 44.2979, 51.3334,
86.9316

■ 89.7088, 93.9727,
92.7684

■ 39.3724, 46.1136,
86.1837

■ 92.1405, 98.8362,
93.5790

■ 35.3092, 41.4823,
85.5039

■ 32.0409, 37.4024,
84.8887

■ 29.4888, 33.8311,
84.3338

■ 27.5558, 30.7158,
83.8344

■ 26.9088, 29.5927,
83.6517

Harmonies

Analogous

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



63.1439, 70.8372, 83.9544



64.8167, 70.8372, 89.6136



67.1972, 70.8372, 91.9018

Triad

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



64.8167, 70.8372, 89.6136



72.3063, 70.8372, 77.5070



65.0391, 70.8372, 65.5241

Complementary

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



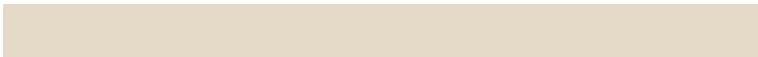
64.8167, 70.8372, 89.6136



68.0800, 68.4986, 63.0609

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.



67.4603, 70.8372, 64.0319



64.8167, 70.8372, 89.6136



71.6942, 70.8372, 70.6852

Square

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



64.8167, 70.8372, 89.6136



71.5571, 70.8372, 84.6468



69.9046, 70.8372, 65.8626



63.2701, 70.8372, 70.0713

Rectangle

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



64.8167, 70.8372, 89.6136



68.8789, 70.8372, 91.1056



69.9046, 70.8372, 65.8626



65.8018, 70.8372, 64.6616

Sweetspot

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



64.8188, 70.8401, 89.6152



89.1384, 94.9106, 108.2292



65.0016, 76.6844, 72.7862



18.9073, 20.1655, 23.1458



0.0000, 0.0000, 0.0000



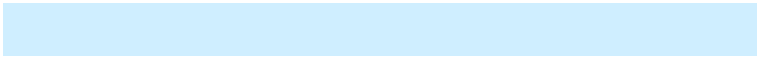
20.3446, 21.4041, 23.3091

Same Dimension

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



64.8188, 70.8401, 89.6152



74.3560, 81.8196, 106.4815



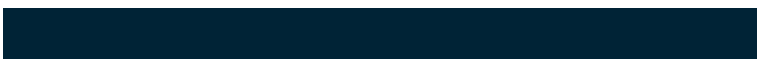
60.1026, 61.4078, 88.0431



15.0587, 16.2039, 19.2562



14.9574, 16.5617, 46.1514



1.2633, 1.4780, 3.6536

Inverse Universe

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



68.1071, 63.5504, 78.4921



78.9396, 71.8662, 90.9304



72.9905, 78.3196, 64.6977



15.4832, 15.2211, 17.8298



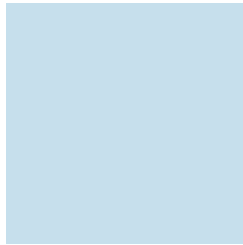
22.4051, 11.1647, 18.4663



1.8041, 0.8946, 1.6860

Previews

White Background



This preview shows how the XYZ color 64.8167, 70.8372, 89.6136 looks on a white background.

Color Contrast Check

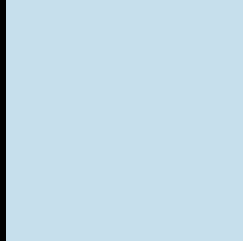
Large Text (above 18pt) WCAG AA × Fail

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 64.8167, 70.8372, 89.6136 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

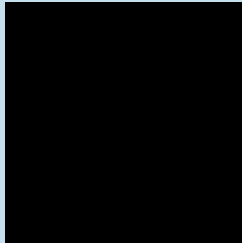
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

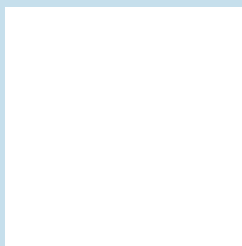
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8167, 70.8372, 89.6136

Background



This preview shows how black text looks on a background with the XYZ color 64.8167, 70.8372, 89.6136.

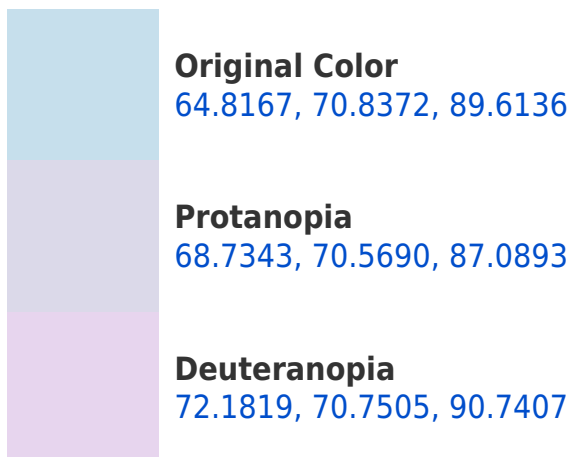


This preview shows how white text looks on a background with the XYZ color 64.8167, 70.8372,

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

65.4026, 70.6759, 92.6328

Trichromacy



Original Color

64.8167, 70.8372, 89.6136

Protanomaly

67.0468, 70.4524, 87.9068

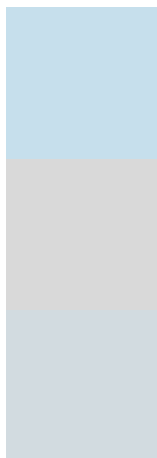
Deuteranomaly

69.3123, 70.8002, 90.1334

Tritanomaly

65.2545, 70.6167, 91.8525

Monochromacy



Original Color

64.8167, 70.8372, 89.6136

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.3644, 69.7465, 80.5384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8167, 70.8372, 89.6136 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(198, 223, 236) looks like.

```
.text, #text, p{  
    color:rgb(198, 223, 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(198, 223, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 223, 236) }
```

Border

The CSS property to change the border of an element to XYZ 64.8167, 70.8372, 89.6136 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(198, 223, 236) }
```


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

```
.border{ border-color:rgb(198, 223, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 223, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 223, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 223, 236);  
box-shadow:4px 4px 4px 4px rgb(198, 223,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8167, 70.8372, 89.6136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 223, 236) }
```

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

```
.background{ background-color: rgb(198,  
223, 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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