

Converting Colors

XYZ(64.9871, 71.2024, 85.3643)

Have a look what the booklet for
XYZ(64.9871, 71.2024, 85.3643)
contains.

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Color

**XYZ(64.7580, 70.9060,
85.1360)**

Conversions

Conversions Part 1

Format	Color
Hex	C9DFE6
RGB	201, 223, 230
RGB Percent	79%, 87%, 90%
CMY	0.2118, 0.1255, 0.0980
CMYK	0.13, 0.03, 0.00, 0.10
HSL	194°, 37%, 85%
HSV	194°, 13%, 90%
XYZ	64.7580, 70.9060, 85.1360
YIQ	217.2200, -15.3590, -2.4870

Conversions

Conversions Part 2

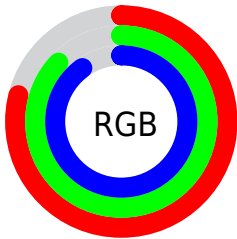
Format	Color
R _Y B	201, 214, 230
Decimal	13230054
CIE Lab	87.44, -5.89, -5.91
CIE LCh	87, 8.344, 225.091
Yxy	70.9060, 0.2933, 0.3211
Android (android.graphics.Color)	4291420134 (0xFFC9DFE6)
YUV	217.2200, 6.3005, -14.2249
Hunter-Lab	84.2057, -10.0854, -1.0010

Details

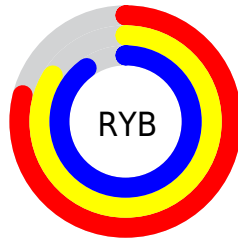
The XYZ color **64.7580, 70.9060, 85.1360** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.7321, 66.1516, 64.5638**, and the grayscale version is **66.0715, 69.5124, 75.6990**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7731, 37.3035, 45.9777** is the 20% darker color. If you saturate the color by 10%, you get **57.5741, 65.0393, 84.3834**, and if you desaturate by 10%, it is **72.9204, 77.3531, 85.9513**.

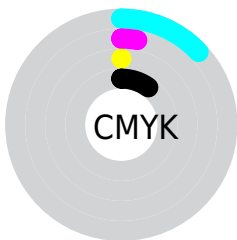
Distribution



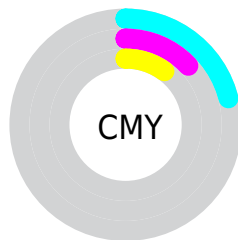
- Red (79%)
- Green (87%)
- Blue (90%)



- Red (79%)
- Yellow (84%)
- Blue (90%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



- Cyan (21%)
- Magenta (13%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7580, 70.9060, 85.1360 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 64.7580, 70.9060, 85.1360 by changing the saturation by 10% instead.

■ 64.7580, 70.9060,
85.1360

■ 64.7580, 70.9060,
85.1360

431.4808,
463.7248, 532.2343

■ 47.5288, 52.2655,
63.4030

110.7695,
120.4999, 142.4390

■ 33.6636, 37.2167,
45.7242

140.2826,
152.2220, 178.8461

■ 22.7970, 25.3753,
31.6811

174.6210,
189.0735, 220.9816

■ 14.5635, 16.3569,
20.8553

214.1501,
231.4387, 269.2640

■ 8.5980, 9.7771,
12.8280

259.2353,
279.7021, 324.1120

■ 4.5349, 5.2514,
7.1809

310.2419,

■ 2.0090, 2.3955,

334.2479, 385.9440

3.4953

367.5353,
395.4607, 455.1786

■ 0.6390, 0.8236,
1.3528

■ 0.0000, 0.0000,
0.1045

■ 64.7580, 70.9060,
85.1360

■ 64.7580, 70.9060,
85.1360

■ 57.5741, 65.0393,
84.3834

■ 72.9204, 77.3531,
85.9513

■ 51.3211, 59.7221,
83.6866

■ 82.0940, 84.3924,
86.8265

■ 45.9564, 54.9336,
83.0451

■ 86.5811, 89.0891,
87.4966

■ 41.4318, 50.6482,
82.4564

■ 88.2367, 92.4003,
88.0485

■ 37.6940, 46.8378,
81.9179

■ 89.9427, 95.8123,
88.6171

■ 34.6836, 43.4710,
81.4267

■ 91.2831, 98.4933,
89.0640

■ 32.3319, 40.5117,
80.9795

■ 30.5564, 37.9167,
80.5722

■ 29.5176, 36.1822,
80.2921

Harmonies

Analogous

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



63.8065, 70.9060, 80.0602



64.7580, 70.9060, 85.1360



66.4252, 70.9060, 88.1563

Triad

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



64.7580, 70.9060, 85.1360



71.1168, 70.9060, 80.0262



66.4137, 70.9060, 67.2078

Complementary

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



64.7580, 70.9060, 85.1360



65.7321, 66.1516, 64.5638

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.



68.3722, 70.9060, 67.1997



64.7580, 70.9060, 85.1360



71.1135, 70.9060, 74.4176

Square

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



64.7580, 70.9060, 85.1360



70.1094, 70.9060, 85.1100



70.1006, 70.9060, 69.7817



64.7497, 70.9060, 69.8045

Rectangle

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



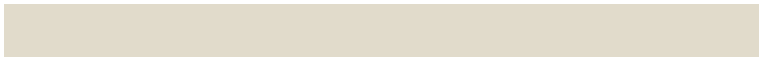
64.7580, 70.9060, 85.1360



67.7303, 70.9060, 88.5086



70.1006, 70.9060, 69.7817



67.0588, 70.9060, 66.9065

Sweetspot

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



64.7601, 70.9090, 85.1376



90.6164, 96.5564, 108.4690



63.7419, 73.5550, 70.3634



19.2221, 20.5313, 23.1998



0.0000, 0.0000, 0.0000



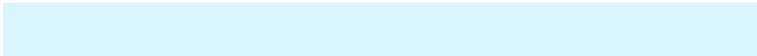
20.3446, 21.4041, 23.3091

Same Dimension

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



64.7601, 70.9090, 85.1376



79.4773, 87.7059, 107.3478



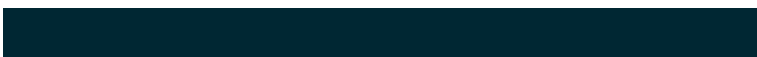
61.1067, 63.6022, 83.9198



14.4974, 15.7161, 18.4138



16.8107, 20.6835, 45.4895



1.3131, 1.6701, 3.3851

Inverse Universe

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



66.8407, 63.9255, 78.6314



82.5879, 77.3967, 97.5911



69.3691, 73.4256, 65.7761



14.8386, 14.5526, 17.3507



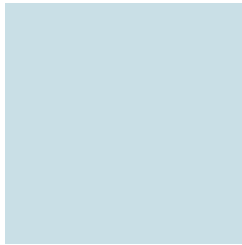
22.8788, 11.2857, 24.0543



1.7264, 0.8483, 1.9658

Previews

White Background



This preview shows how the XYZ color 64.7580, 70.9060, 85.1360 looks on a white background.

Color Contrast Check

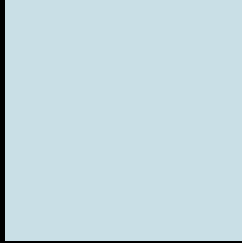
Large Text (above 18pt) WCAG AA × Fail

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 64.7580, 70.9060, 85.1360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

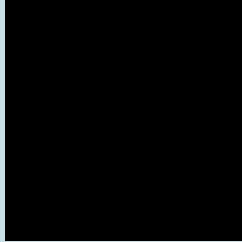
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7580, 70.9060, 85.1360

Background



This preview shows how black text looks on a background with the XYZ color 64.7580, 70.9060, 85.1360.

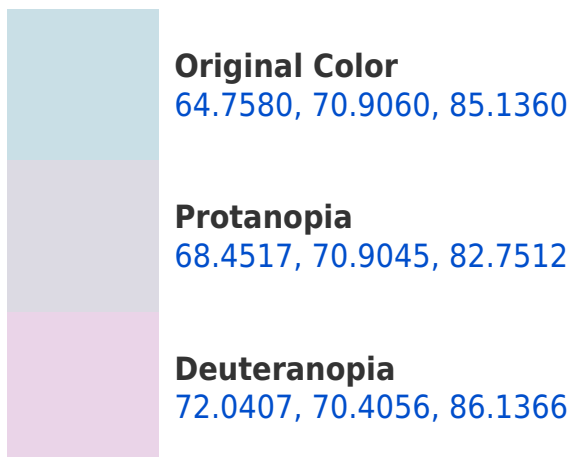


This preview shows how white text looks on a background with the XYZ color 64.7580, 70.9060,

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

66.3299, 71.1711, 91.9028

Trichromacy



Original Color

64.7580, 70.9060, 85.1360

Protanomaly

67.0374, 70.9340, 83.5572

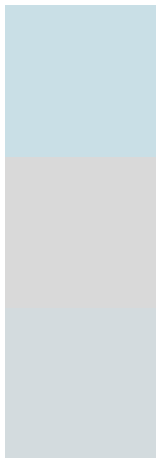
Deuteranomaly

69.1039, 70.4109, 85.5498

Tritanomaly

65.6187, 70.8552, 89.5748

Monochromacy



Original Color

64.7580, 70.9060, 85.1360

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.3803, 69.7858, 79.1313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7580, 70.9060, 85.1360 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(201, 223, 230)` looks like.

```
.text, #text, p{  
    color:rgb(201, 223, 230)  
}
```

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(201, 223, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 223, 230) }
```

Border

The CSS property to change the border of an element to XYZ 64.7580, 70.9060, 85.1360 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(201, 223, 230) }
```


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

```
.border{ border-color:rgb(201, 223, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 223, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 223, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 223, 230);  
box-shadow:4px 4px 4px 4px rgb(201, 223,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7580, 70.9060, 85.1360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 223, 230) }
```

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

```
.background{ background-color: rgb(201,  
223, 230) }
```

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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