

Converting Colors

XYZ(64.1164, 70.6195, 83.0961)

Have a look what the booklet for
XYZ(64.1164, 70.6195, 83.0961)
contains.

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Color

**XYZ(64.0722, 70.6008,
82.9234)**

Conversions

Conversions Part 1

Format	Color
Hex	C8DFE3
RGB	200, 223, 227
RGB Percent	78%, 87%, 89%
CMY	0.2157, 0.1255, 0.1098
CMYK	0.12, 0.02, 0.00, 0.11
HSL	189°, 33%, 84%
HSV	189°, 12%, 89%
XYZ	64.0722, 70.6008, 82.9234
YIQ	216.5790, -14.9920, -3.6320

Conversions

Conversions Part 2

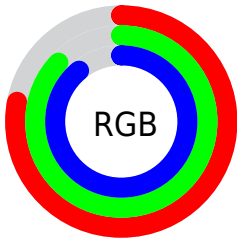
Format	Color
R _Y B	200, 212, 227
Decimal	13164515
CIE Lab	87.29, -6.81, -4.56
CIE LCh	87, 8.192, 213.785
Yxy	70.6008, 0.2945, 0.3245
Android (android.graphics.Color)	4291354595 (0xFFC8DFE3)
YUV	216.5790, 5.1376, -14.5398
Hunter-Lab	84.0243, -10.9284, 0.3038

Details

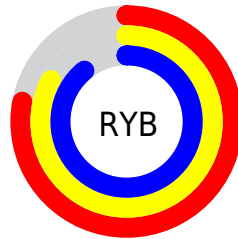
The XYZ color **64.0722, 70.6008, 82.9234** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.6971, 63.6863, 63.5802**, and the grayscale version is **65.6403, 69.0587, 75.2049**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.3031, 37.0948, 44.4345** is the 20% darker color. If you saturate the color by 10%, you get **57.5657, 65.9289, 82.3657**, and if you desaturate by 10%, it is **71.5008, 75.7783, 83.5323**.

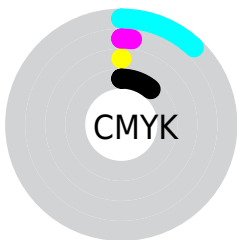
Distribution



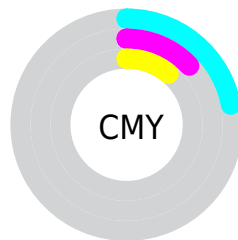
- Red (78%)
- Green (87%)
- Blue (89%)



- Red (78%)
- Yellow (83%)
- Blue (89%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)



- Cyan (22%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0722, 70.6008, 82.9234 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 64.0722, 70.6008, 82.9234 by changing the saturation by 10% instead.

■ 64.0722, 70.6008,
82.9234

■ 64.0722, 70.6008,
82.9234

429.0484,
462.6567, 524.6955

■ 46.9711, 52.0165,
61.5867

109.7881,
120.0651, 139.3164

■ 33.2206, 37.0182,
44.2652

139.1335,
151.7140, 175.2099

■ 22.4556, 25.2216,
30.5403

173.2911,
188.4864, 216.7927

■ 14.3105, 16.2422,
19.9936

212.6261,
230.7668, 264.4833

■ 8.4201, 9.6957,
12.2063

257.5040,
278.9397, 318.7004

■ 4.4190, 5.1977,
6.7601

308.2901,

■ 1.9418, 2.3637,

333.3894, 379.8624

3.2364

365.3498,
394.5002, 448.3879

■ 0.6009, 0.8071,
1.2166

■ 0.0000, 0.0000,
0.0000

■ 64.0722, 70.6008,
82.9234

■ 64.0722, 70.6008,
82.9234

■ 57.5657, 65.9289,
82.3657

■ 71.5008, 75.7783,
83.5323

■ 51.9354, 61.7331,
81.8525

■ 79.8824, 81.4718,
84.1895

■ 47.1409, 57.9943,
81.3836

■ 84.2684, 85.1323,
84.6649

■ 43.1360, 54.6885,
80.9566

■ 85.2292, 87.0539,
84.9852

■ 39.8699, 51.7895,
80.5692

■ 86.2083, 89.0120,
85.3115

■ 37.2859, 49.2677,
80.2186

■ 87.2056, 91.0066,
85.6440

■ 35.3188, 47.0895,
79.9019

■ 88.2213, 93.0381,
85.9825

■ 33.8902, 45.2144,
79.6152

■ 89.2556, 95.1066,
86.3273

■ 33.0239, 43.8632,
79.4001

■ 90.3084, 97.2123,
86.6782

Harmonies

Analogous

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



63.4754, 70.6008, 77.5746



64.0722, 70.6008, 82.9234



65.4809, 70.6008, 86.7875

Triad

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



64.0722, 70.6008, 82.9234



70.4822, 70.6008, 81.6543



66.8597, 70.6008, 66.7656

Complementary

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



64.0722, 70.6008, 82.9234



63.6971, 63.6863, 63.5802

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.



68.7535, 70.6008, 67.7426



64.0722, 70.6008, 82.9234



70.8682, 70.6008, 76.1742

Square

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



64.0722, 70.6008, 82.9234



69.1848, 70.6008, 86.0305



70.2298, 70.6008, 71.1229



65.0652, 70.6008, 68.3882

Rectangle

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



64.0722, 70.6008, 82.9234



66.7037, 70.6008, 87.9077



70.2298, 70.6008, 71.1229



67.5058, 70.6008, 66.8013

Sweetspot

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



64.0742, 70.6037, 82.9250



90.9167, 97.1570, 108.5691



62.1408, 71.5592, 67.4138



19.2983, 20.6838, 23.2252



0.0000, 0.0000, 0.0000



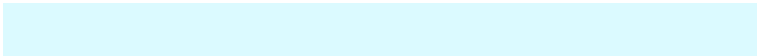
20.3446, 21.4041, 23.3091

Same Dimension

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



64.0742, 70.6037, 82.9250



81.4511, 90.5212, 107.7872



60.7076, 63.8704, 81.8027



14.6161, 15.9536, 18.4533



19.3271, 25.7162, 46.3283



1.4779, 1.9997, 3.4401

Inverse Universe

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



65.6537, 62.9685, 78.5094



83.8606, 78.9640, 101.0305



66.9436, 70.1795, 64.6624



14.8986, 14.5766, 17.6663



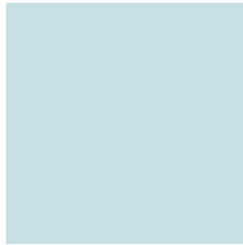
24.1489, 11.7938, 30.7429



1.8096, 0.8816, 2.4039

Previews

White Background



This preview shows how the XYZ color 64.0722, 70.6008, 82.9234 looks on a white background.

Color Contrast Check

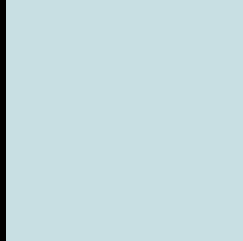
Large Text (above 18pt) WCAG AA × Fail

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 64.0722, 70.6008, 82.9234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

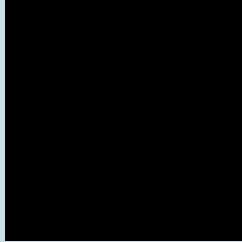
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

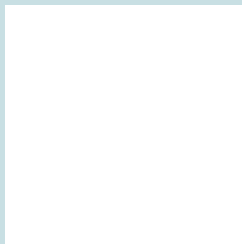
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.0722, 70.6008, 82.9234

Background



This preview shows how black text looks on a background with the XYZ color 64.0722, 70.6008, 82.9234.

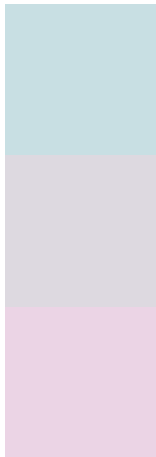


This preview shows how white text looks on a background with the XYZ color 64.0722, 70.6008,

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

64.0722, 70.6008, 82.9234

Protanopia

68.0862, 70.3797, 80.5171

Deuteranopia

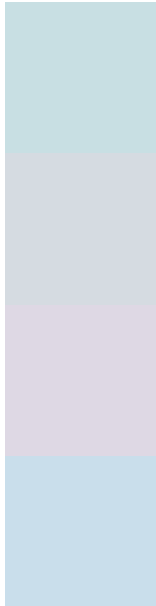
71.9473, 70.4063, 83.9265



Tritanopia

65.7936, 70.5015, 91.8018

Trichromacy



Original Color

64.0722, 70.6008, 82.9234

Protanomaly

66.3627, 70.2454, 81.2952

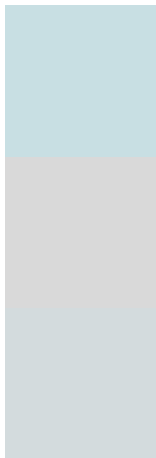
Deuteranomaly

68.6837, 70.2428, 83.3370

Tritanomaly

65.2041, 70.6582, 88.7990

Monochromacy



Original Color

64.0722, 70.6008, 82.9234

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.2466, 69.7324, 78.4274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0722, 70.6008, 82.9234 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(200, 223, 227) looks like.

```
.text, #text, p{  
    color:rgb(200, 223, 227)  
}
```

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(200, 223, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 223, 227) }
```

Border

The CSS property to change the border of an element to XYZ 64.0722, 70.6008, 82.9234 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(200, 223, 227) }
```


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

```
.border{ border-color:rgb(200, 223, 227) }
```

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

Here you see how a box with a 4 pixel rgb(200, 223, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 223, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 223, 227);  
box-shadow:4px 4px 4px 4px rgb(200, 223,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0722, 70.6008, 82.9234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 223, 227) }
```

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

```
.background{ background-color: rgb(200,  
223, 227) }
```

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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