

Converting Colors

XYZ(64.8307, 70.3458, 82.3804)

Have a look what the booklet for
XYZ(64.8307, 70.3458, 82.3804)
contains.

XYZ(64.7608, 70.1830, 82.0849)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.7608, 70.1830,
82.0849)**

Conversions

Conversions Part 1

Format	Color
Hex	CDDDE2
RGB	205, 221, 226
RGB Percent	80%, 87%, 89%
CMY	0.1961, 0.1333, 0.1137
CMYK	0.09, 0.02, 0.00, 0.11
HSL	194°, 27%, 85%
HSV	194°, 9%, 89%
XYZ	64.7608, 70.1830, 82.0849
YIQ	216.7860, -11.1410, -1.8370

Conversions

Conversions Part 2

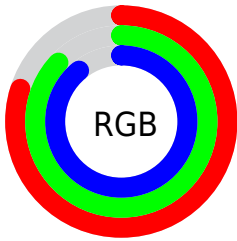
Format	Color
R _Y B	205, 214, 226
Decimal	13491682
CIE Lab	87.09, -4.36, -4.29
CIE LCh	87, 6.119, 224.510
Yxy	70.1830, 0.2984, 0.3234
Android (android.graphics.Color)	4291681762 (0xFFCDDDE2)
YUV	216.7860, 4.5425, -10.3363
Hunter-Lab	83.7753, -8.6209, 0.5490

Details

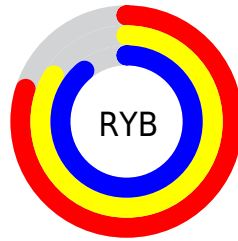
The XYZ color **64.7608, 70.1830, 82.0849** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.4305, 66.6695, 67.1789**, and the grayscale version is **65.7838, 69.2097, 75.3694**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7494, 36.7920, 43.8509** is the 20% darker color. If you saturate the color by 10%, you get **57.5746, 64.4061, 81.3497**, and if you desaturate by 10%, it is **72.8970, 76.5210, 82.8805**.

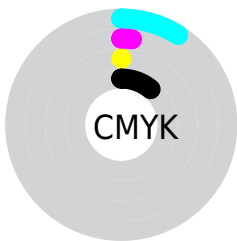
Distribution



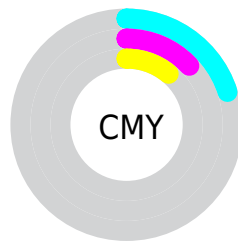
- Red (80%)
- Green (87%)
- Blue (89%)



- Red (80%)
- Yellow (84%)
- Blue (89%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)



- Cyan (20%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7608, 70.1830, 82.0849 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 64.7608, 70.1830, 82.0849 by changing the saturation by 10% instead.

■ 64.7608, 70.1830,
82.0849

■ 64.7608, 70.1830,
82.0849

431.4907,
461.1923, 521.8225

■ 47.5311, 51.6757,
60.8993

110.7735,
119.4697, 138.1308

■ 33.6654, 36.7467,
43.7139

140.2873,
151.0179, 173.8282

■ 22.7984, 25.0114,
30.1101

174.6264,
187.6819, 215.1999

■ 14.5646, 16.0856,
19.6694

214.1563,
229.8461, 262.6645

■ 8.5987, 9.5847,
11.9733

259.2424,
277.8948, 316.6405

■ 4.5354, 5.1245,
6.6032

310.2499,

■ 2.0092, 2.3205,

332.2125, 377.5465

3.1405

367.5442,
393.1835, 445.8010

■ 0.6391, 0.7845,
1.1668

■ 0.0000, 0.0000,
0.0000

■ 64.7608, 70.1830,
82.0849

■ 64.7608, 70.1830,
82.0849

■ 57.5746, 64.4061,
81.3497

■ 72.8970, 76.5210,
82.8805

■ 51.2936, 59.1608,
80.6683

■ 82.0137, 83.4307,
83.7337

■ 45.8780, 54.4279,
80.0402

■ 85.2917, 87.3992,
84.3269

■ 41.2830, 50.1837,
79.4632

■ 86.8734, 90.5625,
84.8542

■ 37.4592, 46.4020,
78.9348

■ 88.5021, 93.8200,
85.3971

■ 34.3520, 43.0541,
78.4523

■ 90.1784, 97.1725,
85.9558

■ 31.8990, 40.1070,
78.0128

■ 90.7277, 98.2711,
86.1389

■ 30.0264, 37.5221,
77.6125

■ 28.6159, 35.2378,
77.2459

Harmonies

Analogous

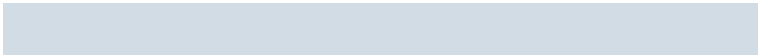
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.0743, 70.1830, 78.4119



64.7608, 70.1830, 82.0849



65.9735, 70.1830, 84.2783

Triad

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



64.7608, 70.1830, 82.0849



69.3980, 70.1830, 78.5447



66.0187, 70.1830, 69.0284

Complementary

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



64.7608, 70.1830, 82.0849



65.4305, 66.6695, 67.1789

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.



67.4456, 70.1830, 69.0610



64.7608, 70.1830, 82.0849



69.4105, 70.1830, 74.4569

Square

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



64.7608, 70.1830, 82.0849



68.6575, 70.1830, 82.1851



68.6915, 70.1830, 71.0169



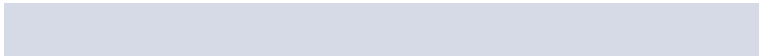
64.7935, 70.1830, 70.9260

Rectangle

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



64.7608, 70.1830, 82.0849



66.9238, 70.1830, 84.5586



68.6915, 70.1830, 71.0169



66.4904, 70.1830, 68.8162

Sweetspot

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



64.7628, 70.1860, 82.0865



91.7134, 97.4219, 108.5782



63.9948, 72.0212, 71.4374



19.4438, 20.7073, 23.2221



0.0000, 0.0000, 0.0000



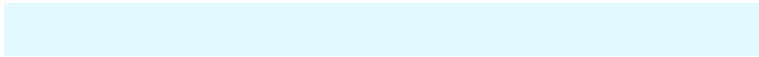
20.3446, 21.4041, 23.3091

Same Dimension

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



64.7628, 70.1860, 82.0865



83.3804, 90.8780, 107.7543



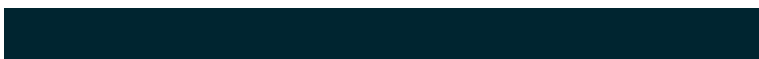
62.1006, 64.8615, 81.1991



13.8257, 14.9906, 17.5525



16.3682, 20.2059, 44.0858



1.2020, 1.5354, 3.0783

Inverse Universe

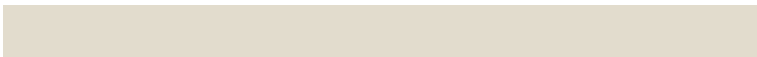
The Inverse Universe completely reimagines the original color for something new.



66.2481, 65.0534, 77.4749



85.6893, 82.9684, 100.5702



68.0830, 71.9744, 68.0631



14.1483, 13.8769, 16.5509



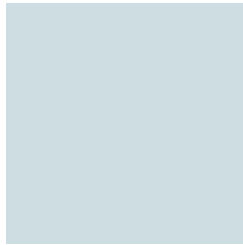
22.2021, 10.9478, 23.5278



1.5730, 0.7725, 1.8100

Previews

White Background



This preview shows how the XYZ color 64.7608, 70.1830, 82.0849 looks on a white background.

Color Contrast Check

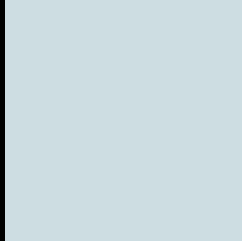
Large Text (above 18pt) WCAG AA × Fail

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 64.7608, 70.1830, 82.0849 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

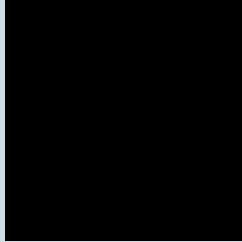
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

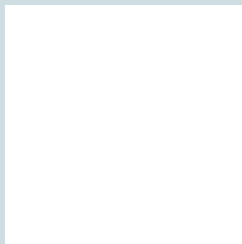
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7608, 70.1830, 82.0849

Background



This preview shows how black text looks on a background with the XYZ color 64.7608, 70.1830, 82.0849.



This preview shows how white text looks on a background with the XYZ color 64.7608, 70.1830,

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

64.7608, 70.1830, 82.0849

Protanopia

67.6473, 70.1691, 79.7906

Deuteranopia

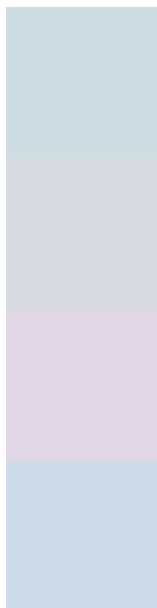
71.2295, 69.6824, 83.0946



Tritanopia

66.3497, 70.0429, 90.1434

Trichromacy



Original Color

64.7608, 70.1830, 82.0849

Protanomaly

66.5503, 69.9717, 80.5193

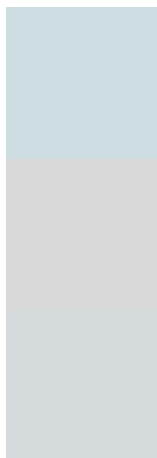
Deuteranomaly

68.5970, 69.8349, 82.5371

Tritanomaly

65.7548, 70.1914, 87.1734

Monochromacy



Original Color

64.7608, 70.1830, 82.0849

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.4302, 69.4562, 77.6680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7608, 70.1830, 82.0849 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, 221, 226) looks like.

```
.text, #text, p{  
    color:rgb(205, 221, 226)  
}
```

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, 221, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 221, 226) }
```

Border

The CSS property to change the border of an element to XYZ 64.7608, 70.1830, 82.0849 is called "border". The border property can be set on classes, ids or directly on the HTML element.

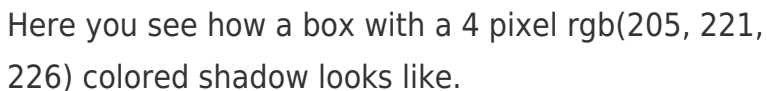
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 221, 226) }
```


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

```
.border{ border-color:rgb(205, 221, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 221, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 221, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 221, 226); box-shadow:4px 4px 4px 4px rgb(205, 221, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7608, 70.1830, 82.0849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 221, 226) }
```

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

```
.background{ background-color: rgb(205,  
221, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor