

# Converting Colors

XYZ(64.6188, 70.8027, 84.0732)

Have a look what the booklet for  
XYZ(64.6188, 70.8027, 84.0732)  
contains.

<b>XYZ(64.6179, 70.8500, 84.3984)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(64.6179, 70.8500,  
84.3984)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9DFE5
RGB	201, 223, 229
RGB Percent	79%, 87%, 90%
CMY	0.2118, 0.1255, 0.1020
CMYK	0.12, 0.03, 0.00, 0.10
HSL	193°, 35%, 84%
HSV	193°, 12%, 90%
XYZ	64.6179, 70.8500, 84.3984
YIQ	217.1060, -15.0380, -2.7980

# Conversions

## Conversions Part 2

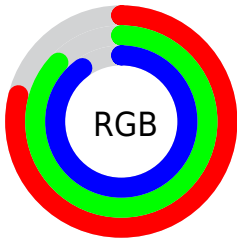
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 213, 229
Decimal	13230053
CIE Lab	87.41, -6.09, -5.42
CIE LCh	87, 8.155, 221.679
Yxy	70.8500, 0.2939, 0.3222
Android (android.graphics.Color)	4291420133 (0xFFC9DFE5)
YUV	217.1060, 5.8637, -14.1250
Hunter-Lab	84.1724, -10.2700, -0.5285

# Details

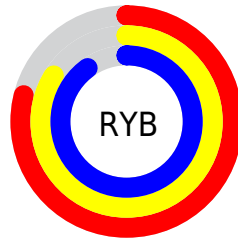
The XYZ color **64.6179, 70.8500, 84.3984** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **65.1689, 65.5003, 64.4676**, and the grayscale version is **65.9961, 69.4330, 75.6126**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.6752, 37.2643, 45.4623** is the 20% darker color. If you saturate the color by 10%, you get **57.6240, 65.3291, 83.7025**, and if you desaturate by 10%, it is **72.5717, 76.9258, 85.1531**.

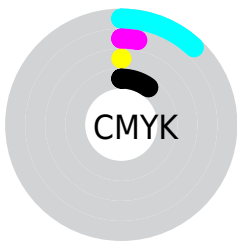
# Distribution



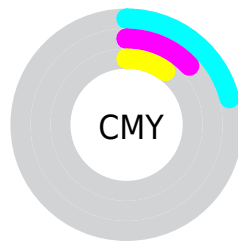
- Red (79%)
- Green (87%)
- Blue (90%)



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



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6179, 70.8500, 84.3984 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 64.6179, 70.8500, 84.3984 by changing the saturation by 10% instead.



■ 64.6179, 70.8500,  
84.3984

■ 64.6179, 70.8500,  
84.3984

430.9845,  
463.5289, 529.7279

■ 47.4149, 52.2198,  
62.7971

110.5691,  
120.4201, 141.3990

■ 33.5731, 37.1803,  
45.2372

140.0480,  
152.1288, 177.6355

■ 22.7271, 25.3471,  
31.3000

174.3495,  
188.9658, 219.5874

■ 14.5117, 16.3359,  
20.5670

213.8391,  
231.3155, 267.6733

■ 8.5615, 9.7621,  
12.6197

258.8820,  
279.5622, 322.3118

■ 4.5111, 5.2415,  
7.0396

309.8436,

■ 1.9952, 2.3897,

334.0905, 383.9213

3.4080

367.0894,  
395.2846, 452.9205

■ 0.6312, 0.8206,  
1.3066

■ 0.0000, 0.0000,  
0.0672

■ 64.6179, 70.8500,  
84.3984

■ 64.6179, 70.8500,  
84.3984

■ 57.6240, 65.3291,  
83.7025

■ 72.5717, 76.9258,  
85.1531

■ 51.5429, 60.3329,  
83.0586

■ 81.5174, 83.5679,  
85.9636

■ 46.3330, 55.8411,  
82.4662

■ 85.8757, 87.9024,  
86.5706

■ 41.9467, 51.8288,  
81.9230

■ 87.3209, 90.7929,  
87.0523

■ 38.3317, 48.2686,  
81.4263

■ 88.8053, 93.7617,  
87.5471

■ 35.4296, 45.1299,  
80.9734

■ 90.3292, 96.8095,  
88.0551

■ 33.1731, 42.3774,  
80.5611

■ 91.1431, 98.4372,  
88.3264

■ 31.4814, 39.9690,  
80.1854

■ 30.4556, 38.2822,  
79.9139

# Harmonies

## Analogous

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



63.7858, 70.8500, 79.3062



64.6179, 70.8500, 84.3984



66.1857, 70.8500, 87.6346

# Triad

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



64.6179, 70.8500, 84.3984



70.9107, 70.8500, 80.5189



66.5954, 70.8500, 67.2351

# Complementary

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



64.6179, 70.8500, 84.3984



65.1689, 65.5003, 64.4676

# 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.



68.5093, 70.8500, 67.5252



64.6179, 70.8500, 84.3984



71.0255, 70.8500, 75.0207

# Square

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



64.6179, 70.8500, 84.3984



69.8285, 70.8500, 85.3225



70.1391, 70.8500, 70.3169



64.9129, 70.8500, 69.5049



# Rectangle

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



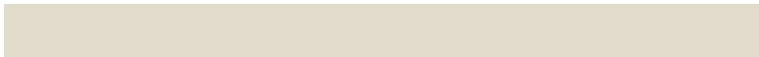
64.6179, 70.8500, 84.3984



67.4492, 70.8500, 88.2151



70.1391, 70.8500, 70.3169



67.2326, 70.8500, 67.0395

# Sweetspot

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



64.6200, 70.8530, 84.4000



90.7035, 96.7306, 108.4980



63.3215, 72.9428, 69.5186



19.2442, 20.5755, 23.2071



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

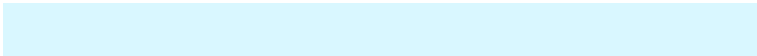


# Same Dimension

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



64.6200, 70.8530, 84.4000



79.7931, 88.3376, 107.4531



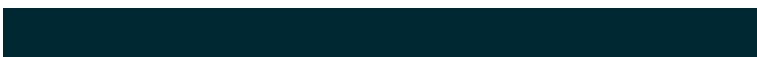
61.1302, 63.8733, 83.2367



14.5317, 15.7849, 18.4252



17.5039, 22.0699, 45.7205



1.3589, 1.7618, 3.4004



# Inverse Universe

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



66.5206, 63.7604, 78.6165



82.7474, 77.4605, 98.4306



68.6078, 72.3782, 65.6139



14.8560, 14.5596, 17.4420



23.2287, 11.4257, 25.8969

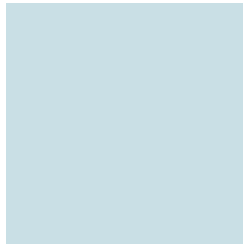


1.7496, 0.8575, 2.0877



# Previews

## White Background



This preview shows how the XYZ color 64.6179, 70.8500, 84.3984 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

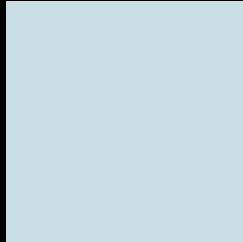
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.6179, 70.8500, 84.3984 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

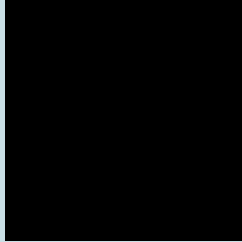
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 64.6179, 70.8500, 84.3984

## Background



This preview shows how black text looks on a background with the XYZ color 64.6179, 70.8500, 84.3984.



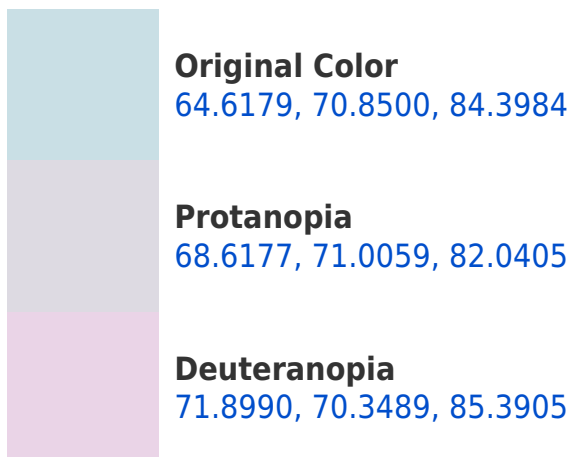
This preview shows how white text looks on a background with the XYZ color 64.6179, 70.8500,



# 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

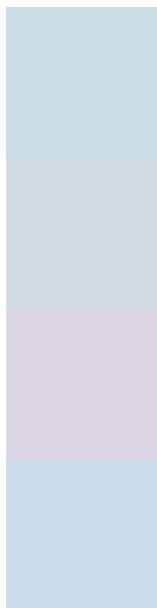




## Tritanopia

66.0650, 70.6414, 91.8145

# Trichromacy



## Original Color

64.6179, 70.8500, 84.3984

## Protanomaly

67.1899, 71.0286, 82.8416

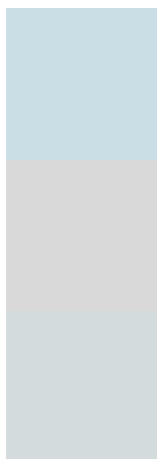
## Deuteranomaly

68.9630, 70.3545, 84.8079

## Tritanomaly

65.4738, 70.7973, 88.8117

# Monochromacy



## Original Color

64.6179, 70.8500, 84.3984

## 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 64.6179, 70.8500, 84.3984 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, 229) looks like.

```
.text, #text, p{  
    color:rgb(201, 223, 229)  
}
```

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, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 223, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 64.6179, 70.8500, 84.3984 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, 229) }
```



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

```
.border{ border-color:rgb(201, 223, 229) }
```

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, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 223, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 223, 229);  
box-shadow:4px 4px 4px 4px rgb(201, 223,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.6179, 70.8500, 84.3984 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, 229) }
```

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

```
.background{ background-color: rgb(201,  
223, 229) }
```

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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