

Converting Colors

XYZ(64.9089, 70.1789, 85.7261)

Have a look what the booklet for
XYZ(64.9089, 70.1789, 85.7261)
contains.

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Color

**XYZ(64.9089, 70.1789,
85.7261)**

Conversions

Conversions Part 1

Format	Color
Hex	CBDDE7
RGB	203, 221, 231
RGB Percent	80%, 87%, 91%
CMY	0.2039, 0.1333, 0.0941
CMYK	0.12, 0.04, 0.00, 0.09
HSL	201°, 37%, 85%
HSV	201°, 12%, 91%
XYZ	64.9089, 70.1789, 85.7261
YIQ	216.7580, -13.9380, -0.7060

Conversions

Conversions Part 2

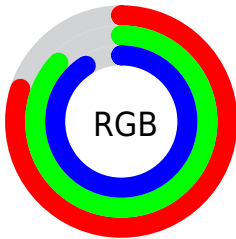
Format	Color
R _Y B	203, 214, 231
Decimal	13360615
CIE Lab	87.08, -4.02, -6.95
CIE LCh	87, 8.025, 239.940
Yxy	70.1789, 0.2940, 0.3178
Android (android.graphics.Color)	4291550695 (0xFFCDBDE7)
YUV	216.7580, 7.0213, -12.0658
Hunter-Lab	83.7728, -8.2971, -2.0314

Details

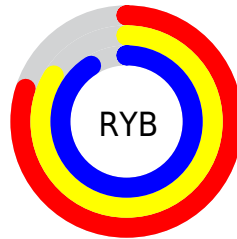
The XYZ color **64.9089, 70.1789, 85.7261** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.5293, 68.8891, 66.2392**, and the grayscale version is **65.7496, 69.1737, 75.3302**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.7685, 36.7571, 45.8725** is the 20% darker color. If you saturate the color by 10%, you get **56.9568, 62.9275, 84.7467**, and if you desaturate by 10%, it is **73.9094, 78.1333, 86.7882**.

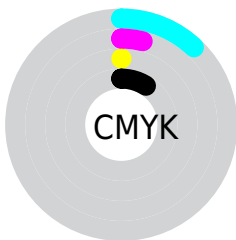
Distribution



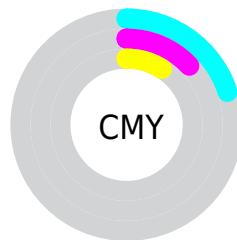
- Red (80%)
- Green (87%)
- Blue (91%)



- Red (80%)
- Yellow (84%)
- Blue (91%)



- Cyan (12%)
- Magenta (4%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9089, 70.1789, 85.7261 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 64.9089, 70.1789, 85.7261 by changing the saturation by 10% instead.

■ 64.9089, 70.1789,
85.7261

■ 64.9089, 70.1789,
85.7261

432.0149,
461.1779, 534.2348

■ 47.6516, 51.6724,
63.8879

110.9853,
119.4638, 143.2704

■ 33.7612, 36.7440,
46.1143

140.5352,
151.0111, 179.8135

■ 22.8722, 25.0094,
31.9867

174.9133,
187.6740, 222.0954

■ 14.6194, 16.0840,
21.0866

214.4850,
229.8370, 270.5346

■ 8.6373, 9.5836,
12.9955

259.6156,
277.8845, 325.5495

■ 4.5605, 5.1238,
7.2947

310.6706,

■ 2.0239, 2.3201,

332.2009, 387.5589

3.5659

368.0153,
393.1706, 456.9811

■ 0.6473, 0.7843,
1.3903

■ 0.0000, 0.0000,
0.1342

■ 64.9089, 70.1789,
85.7261

■ 64.9089, 70.1789,
85.7261

■ 56.9568, 62.9275,
84.7467

■ 73.9094, 78.1333,
86.7882

■ 50.0042, 56.3461,
83.8428

■ 83.9924, 86.8049,
87.9305

■ 44.0071, 50.4115,
83.0134

■ 88.5431, 92.7877,
88.8455

■ 38.9158, 45.0958,
82.2557

■ 91.1043, 97.9102,
89.6992

■ 34.6756, 40.3684,
81.5667

■ 91.4240, 98.5496,
89.8058

■ 31.2257, 36.1953,
80.9430

■ 28.4959, 32.5380,
80.3810

■ 26.4025, 29.3507,
79.8761

■ 25.0964, 27.1145,
79.5133

Harmonies

Analogous

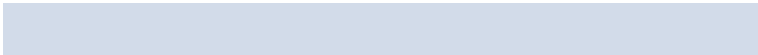
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.6198, 70.1789, 81.6961



64.9089, 70.1789, 85.7261



66.6991, 70.1789, 87.2380

Triad

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



64.9089, 70.1789, 85.7261



70.3828, 70.1789, 76.4237



64.9153, 70.1789, 67.7899

Complementary

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



64.9089, 70.1789, 85.7261



67.5293, 68.8891, 66.2392

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.



66.7067, 70.1789, 66.5225



64.9089, 70.1789, 85.7261



69.8841, 70.1789, 71.3625

Square

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



64.9089, 70.1789, 85.7261



69.8802, 70.1789, 81.7158



68.5297, 70.1789, 67.7999



63.6235, 70.1789, 71.3445

Rectangle

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



64.9089, 70.1789, 85.7261



67.9431, 70.1789, 86.5619



68.5297, 70.1789, 67.7999



65.4780, 70.1789, 67.0899

Sweetspot

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



64.9109, 70.1818, 85.7277



90.2456, 95.8149, 108.3454



65.1907, 74.6435, 73.7909



19.1281, 20.3433, 23.1684



0.0000, 0.0000, 0.0000



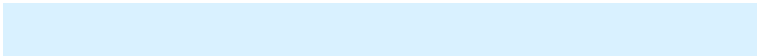
20.3446, 21.4041, 23.3091

Same Dimension

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



64.9109, 70.1818, 85.7277



78.1480, 85.0474, 106.9047



61.4151, 63.1902, 84.5624



14.3519, 15.4252, 18.3653



14.1906, 15.4432, 44.6161



1.1356, 1.3152, 3.3260

Inverse Universe

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



67.3637, 64.9229, 77.3908



81.9170, 77.1283, 94.0579



71.1501, 76.1308, 67.4461



14.7652, 14.5233, 16.9640



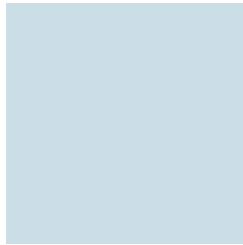
21.5562, 10.7567, 17.0900



1.6368, 0.8124, 1.4941

Previews

White Background



This preview shows how the XYZ color 64.9089, 70.1789, 85.7261 looks on a white background.

Color Contrast Check

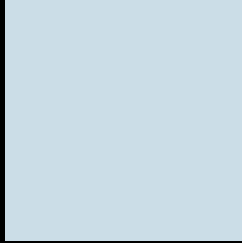
Large Text (above 18pt) WCAG AA × Fail

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 64.9089, 70.1789, 85.7261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

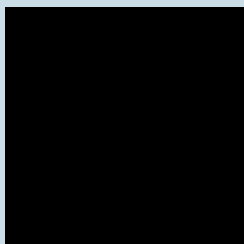
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

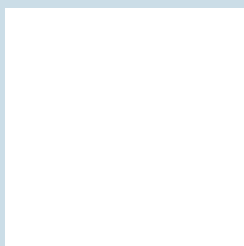
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.9089, 70.1789, 85.7261

Background



This preview shows how black text looks on a background with the XYZ color 64.9089, 70.1789, 85.7261.

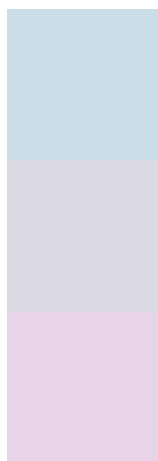


This preview shows how white text looks on a background with the XYZ color 64.9089, 70.1789,

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

64.9089, 70.1789, 85.7261

Protanopia

68.0299, 70.2872, 83.3800

Deuteranopia

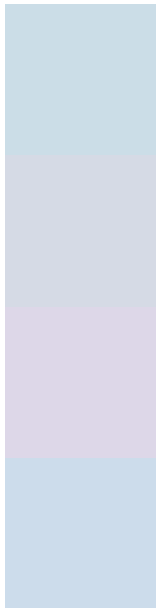
71.5302, 70.1260, 86.8564



Tritanopia

65.7811, 70.1382, 90.1918

Trichromacy



Original Color

64.9089, 70.1789, 85.7261

Protanomaly

66.6548, 69.9461, 84.1166

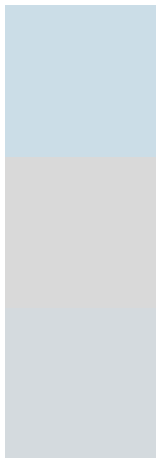
Deuteranomaly

68.6847, 69.7992, 86.1965

Tritanomaly

65.4904, 70.0219, 88.6611

Monochromacy



Original Color

64.9089, 70.1789, 85.7261

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.4076, 69.4138, 79.0581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.9089, 70.1789, 85.7261 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(203, 221, 231)` looks like.

```
.text, #text, p{  
    color:rgb(203, 221, 231)  
}
```

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(203, 221, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 221, 231) }
```

Border

The CSS property to change the border of an element to XYZ 64.9089, 70.1789, 85.7261 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(203, 221, 231) }
```


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

```
.border{ border-color:rgb(203, 221, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 221, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 221, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 221, 231);  
box-shadow:4px 4px 4px 4px rgb(203, 221,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 64.9089, 70.1789, 85.7261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 221, 231) }
```

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

```
.background{ background-color: rgb(203,  
221, 231) }
```

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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