

Converting Colors

XYZ(64.9885, 69.4349, 83.1550)

Have a look what the booklet for
XYZ(64.9885, 69.4349, 83.1550)
contains.

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Color

**XYZ(65.0672, 69.5299,
83.3900)**

Conversions

Conversions Part 1

Format	Color
Hex	CFDBE4
RGB	207, 219, 228
RGB Percent	81%, 86%, 89%
CMY	0.1882, 0.1412, 0.1059
CMYK	0.09, 0.04, 0.00, 0.11
HSL	206°, 28%, 85%
HSV	206°, 9%, 89%
XYZ	65.0672, 69.5299, 83.3900
YIQ	216.4380, -10.0410, 0.2550

Conversions

Conversions Part 2

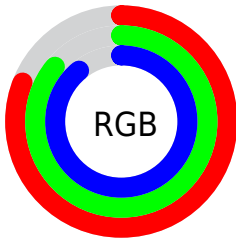
Format	Color
RYB	207, 215, 228
Decimal	13622244
CIELab	86.77, -2.29, -5.80
CIELCh	87, 6.237, 248.477
Yxy	69.5299, 0.2985, 0.3190
Android (android.graphics.Color)	4291812324 (0xFFCFDBE4)
YUV	216.4380, 5.7001, -8.2771
Hunter-Lab	83.3846, -6.6348, -0.9246

Details

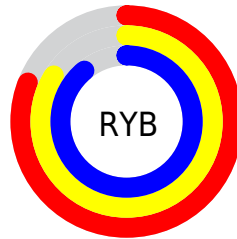
The XYZ color **65.0672, 69.5299, 83.3900** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.8134, 70.1101, 68.9910**, and the grayscale version is **65.5378, 68.9509, 75.0875**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.9552, 36.3404, 44.7599** is the 20% darker color. If you saturate the color by 10%, you get **56.6780, 61.5343, 82.2899**, and if you desaturate by 10%, it is **74.5298, 78.3047, 84.5861**.

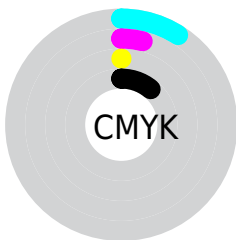
Distribution



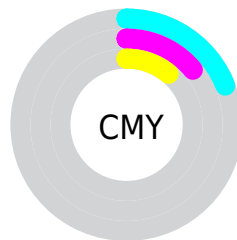
- Red (81%)
- Green (86%)
- Blue (89%)



- Red (81%)
- Yellow (84%)
- Blue (89%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (19%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0672, 69.5299, 83.3900 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 65.0672, 69.5299, 83.3900 by changing the saturation by 10% instead.

■ 65.0672, 69.5299,
83.3900

■ 65.0672, 69.5299,
83.3900

432.5748,
458.8977, 526.2904

■ 47.7805, 51.1434,
61.9695

111.2116,
118.5381, 139.9757

■ 33.8636, 36.3227,
44.5724

140.8001,
149.9286, 175.9779

■ 22.9512, 24.6835,
30.7803

175.2198,
186.4225, 217.6777

■ 14.6780, 15.8414,
20.1745

214.8361,
228.4043, 265.4937

■ 8.6785, 9.4120,
12.3366

260.0144,
276.2583, 319.8445

■ 4.5875, 5.0109,
6.8481

311.1201,

■ 2.0396, 2.2537,

330.3689, 381.1485

3.2903

368.5184,
391.1206, 449.8243

■ 0.6561, 0.7490,
1.2447

■ 0.0000, 0.0000,
0.0158

■ 65.0672, 69.5299,
83.3900

■ 65.0672, 69.5299,
83.3900

■ 56.6780, 61.5343,
82.2899

■ 74.5298, 78.3047,
84.5861

■ 49.3144, 54.2837,
81.2785

■ 85.0992, 87.8738,
85.8760

■ 42.9337, 47.7541,
80.3545

■ 88.9060, 94.1860,
86.8937

■ 37.4878, 41.9169,
79.5148

■ 91.0038, 98.3815,
87.5930

■ 32.9241, 36.7407,
78.7562

■ 29.1842, 32.1912,
78.0752

■ 26.2020, 28.2301,
77.4678

■ 23.8997, 24.8126,
76.9296

■ 22.1555, 21.8715,
76.4538

Harmonies

Analogous

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



63.9246, 69.5299, 80.7905



65.0672, 69.5299, 83.3900



66.4985, 69.5299, 83.8924

Triad

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



65.0672, 69.5299, 83.3900



68.8858, 69.5299, 74.5337



64.3643, 69.5299, 69.6182

Complementary

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



65.0672, 69.5299, 83.3900



67.8134, 70.1101, 68.9910

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.



65.6754, 69.5299, 68.0707



65.0672, 69.5299, 83.3900



68.2957, 69.5299, 70.8399

Square

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



65.0672, 69.5299, 83.3900



68.7172, 69.5299, 78.6774



67.1155, 69.5299, 68.5096



63.5230, 69.5299, 72.8108

Rectangle

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



65.0672, 69.5299, 83.3900



67.4261, 69.5299, 82.9536



67.1155, 69.5299, 68.5096



64.7639, 69.5299, 68.8938

Sweetspot

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



65.0692, 69.5328, 83.3915



91.2547, 96.5046, 108.4254



65.8390, 73.6983, 75.5526



19.3198, 20.4594, 23.1807



0.0000, 0.0000, 0.0000



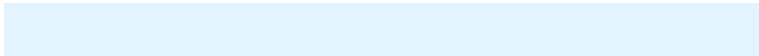
20.3446, 21.4041, 23.3091

Same Dimension

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



65.0692, 69.5328, 83.3915



81.7584, 87.6339, 107.2137



62.4760, 64.3463, 82.5271



14.2633, 15.2480, 18.3357



12.8405, 12.7430, 44.1661



1.0406, 1.1252, 3.2943

Inverse Universe

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



67.0955, 66.2354, 76.2697



84.8705, 82.6409, 96.2589



70.5229, 75.5289, 69.8941



14.7205, 14.5054, 16.7285



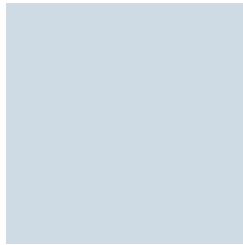
20.8748, 10.4841, 13.5015



1.5889, 0.7933, 1.2416

Previews

White Background



This preview shows how the XYZ color 65.0672, 69.5299, 83.3900 looks on a white background.

Color Contrast Check

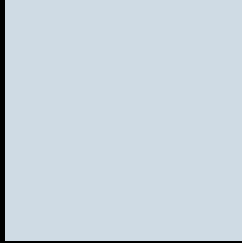
Large Text (above 18pt) WCAG AA × Fail

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 65.0672, 69.5299, 83.3900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

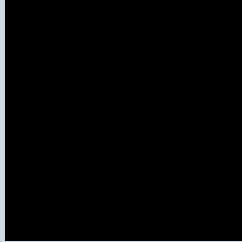
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

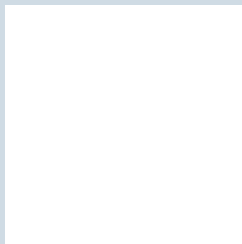
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.0672, 69.5299, 83.3900

Background



This preview shows how black text looks on a background with the XYZ color 65.0672, 69.5299, 83.3900.

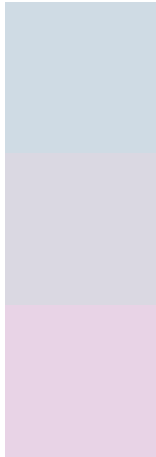


This preview shows how white text looks on a background with the XYZ color 65.0672, 69.5299,

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

65.0672, 69.5299, 83.3900

Protanopia

67.1968, 69.5081, 81.8263

Deuteranopia

70.8559, 69.4575, 84.5350



Tritanopia

66.0792, 69.5509, 88.5392

Trichromacy



Original Color

65.0672, 69.5299, 83.3900

Protanomaly

66.4095, 69.4679, 82.5815

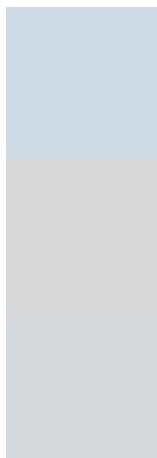
Deuteranomaly

68.6208, 69.4383, 83.9150

Tritanomaly

65.6493, 69.3789, 86.2753

Monochromacy



Original Color

65.0672, 69.5299, 83.3900

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

65.1717, 68.9391, 77.5818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0672, 69.5299, 83.3900 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(207, 219, 228)` looks like.

```
.text, #text, p{  
    color:rgb(207, 219, 228)  
}
```

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(207, 219, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 219, 228) }
```

Border

The CSS property to change the border of an element to XYZ 65.0672, 69.5299, 83.3900 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(207, 219, 228) }
```


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

```
.border{ border-color:rgb(207, 219, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 219, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 219, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 219, 228);  
box-shadow:4px 4px 4px 4px rgb(207, 219,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0672, 69.5299, 83.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 219, 228) }
```

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

```
.background{ background-color: rgb(207,  
219, 228) }
```

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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