

Converting Colors

XYZ(64.8191, 69.6667, 84.7100)

Have a look what the booklet for
XYZ(64.8191, 69.6667, 84.7100)
contains.

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Color

**XYZ(65.0530, 69.8787,
84.9222)**

Conversions

Conversions Part 1

Format	Color
Hex	CDDCE6
RGB	205, 220, 230
RGB Percent	80%, 86%, 90%
CMY	0.1961, 0.1372, 0.0980
CMYK	0.11, 0.04, 0.00, 0.10
HSL	204°, 33%, 85%
HSV	204°, 11%, 90%
XYZ	65.0530, 69.8787, 84.9222
YIQ	216.6550, -12.1500, -0.0700

Conversions

Conversions Part 2

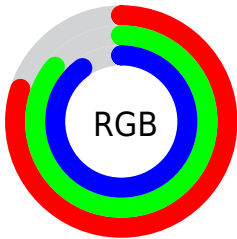
Format	Color
R _Y B	205, 214, 230
Decimal	13491430
CIE Lab	86.94, -3.06, -6.62
CIE LCh	87, 7.293, 245.195
Yxy	69.8787, 0.2959, 0.3178
Android (android.graphics.Color)	4291681510 (0xFFCDDCE6)
YUV	216.6550, 6.5791, -10.2214
Hunter-Lab	83.5935, -7.3787, -1.7170

Details

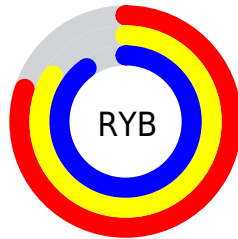
The XYZ color **65.0530, 69.8787, 84.9222** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **67.9535, 69.8314, 67.6563**, and the grayscale version is **65.6813, 69.1018, 75.2519**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.9555, 36.5847, 45.8294** is the 20% darker color. If you saturate the color by 10%, you get **56.8215, 62.1516, 83.8657**, and if you desaturate by 10%, it is **74.3540, 78.3581, 86.0698**.

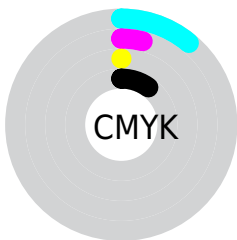
Distribution



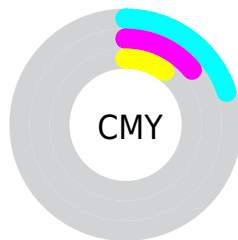
- Red (80%)
- Green (86%)
- Blue (90%)



- Red (80%)
- Yellow (84%)
- Blue (90%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (10%)



- Cyan (20%)
- Magenta (14%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0530, 69.8787, 84.9222 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 65.0530, 69.8787, 84.9222 by changing the saturation by 10% instead.

■ 65.0530, 69.8787,
84.9222

■ 65.0530, 69.8787,
84.9222

432.5246,
460.1240, 531.5085

■ 47.7689, 51.4277,
63.2273

111.1913,
119.0358, 142.1377

■ 33.8544, 36.5491,
45.5830

140.7763,
150.5106, 178.4953

■ 22.9441, 24.8585,
31.5706

175.1923,
187.0954, 220.5777

■ 14.6727, 15.9717,
20.7716

214.8046,
229.1747, 268.8032

■ 8.6748, 9.5041,
12.7675

259.9786,
277.1328, 323.5906

■ 4.5851, 5.0714,
7.1398

311.0797,

■ 2.0382, 2.2892,

331.3541, 385.3582

3.4699

368.4733,
392.2230, 454.5246

■ 0.6553, 0.7680,
1.3393

■ 0.0000, 0.0000,
0.0937

■ 65.0530, 69.8787,
84.9222

■ 65.0530, 69.8787,
84.9222

■ 56.8215, 62.1516,
83.8657

■ 74.3540, 78.3581,
86.0698

■ 49.6108, 55.1428,
82.8929

■ 84.7586, 87.6048,
87.3062

■ 43.3772, 48.8286,
82.0026

■ 88.9666, 93.8603,
88.2918

■ 38.0714, 43.1801,
81.1920

■ 91.2831, 98.4933,
89.0640

■ 33.6394, 38.1663,
80.4579

■ 30.0209, 33.7524,
79.7966

■ 27.1474, 29.8997,
79.2044

■ 24.9372, 26.5623,
78.6767

■ 23.3758, 23.8985,
78.2449

Harmonies

Analogous

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



63.7769, 69.8787, 81.6213



65.0530, 69.8787, 84.9222



66.7146, 69.8787, 85.8150

Triad

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



65.0530, 69.8787, 84.9222



69.7331, 69.8787, 75.2399



64.5477, 69.8787, 68.6753

Complementary

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



65.0530, 69.8787, 84.9222



67.9535, 69.8314, 67.6563

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.



66.1215, 69.8787, 67.1216



65.0530, 69.8787, 84.9222



69.1302, 69.8787, 70.8068

Square

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



65.0530, 69.8787, 84.9222



69.4352, 69.8787, 80.0895



67.8012, 69.8787, 67.8851



63.4887, 69.8787, 72.2183

Rectangle

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



65.0530, 69.8787, 84.9222



67.8216, 69.8787, 84.8932



67.8012, 69.8787, 67.8851



65.0331, 69.8787, 67.9101

Sweetspot

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



65.0550, 69.8816, 84.9238



91.3232, 96.6416, 108.4482



65.6872, 74.4589, 74.9208



19.3383, 20.4963, 23.1869



0.0000, 0.0000, 0.0000



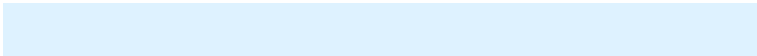
20.3446, 21.4041, 23.3091

Same Dimension

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



65.0550, 69.8816, 84.9238



79.8043, 86.0779, 107.0163



61.9966, 63.7648, 83.9043



14.2986, 15.3186, 18.3475



13.3566, 13.7753, 44.3381



1.0773, 1.1985, 3.3065

Inverse Universe

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



67.3844, 65.6545, 76.8345



83.3100, 79.8183, 94.8186



71.1456, 76.2158, 68.7203



14.7383, 14.5125, 16.8224



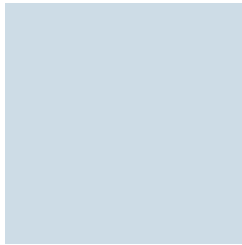
21.1353, 10.5883, 14.8733



1.6074, 0.8007, 1.3391

Previews

White Background



This preview shows how the XYZ color 65.0530, 69.8787, 84.9222 looks on a white background.

Color Contrast Check

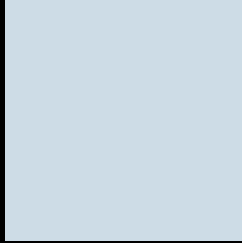
Large Text (above 18pt) WCAG AA × Fail

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 65.0530, 69.8787, 84.9222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

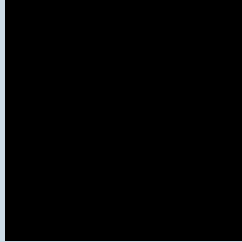
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

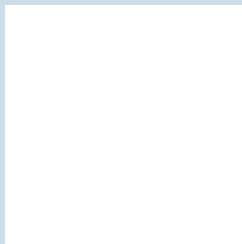
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.0530, 69.8787, 84.9222

Background



This preview shows how black text looks on a background with the XYZ color 65.0530, 69.8787, 84.9222.

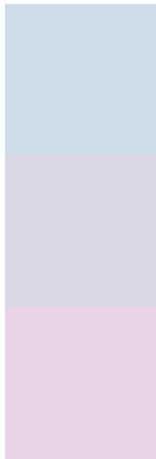


This preview shows how white text looks on a background with the XYZ color 65.0530, 69.8787,

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

65.0530, 69.8787, 84.9222

Protanopia

67.4729, 69.6186, 83.2803

Deuteranopia

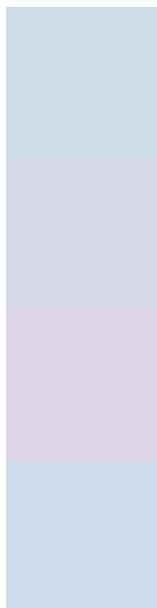
71.1385, 69.5705, 86.0230



Tritanopia

65.9254, 69.8410, 89.3629

Trichromacy



Original Color

65.0530, 69.8787, 84.9222

Protanomaly

66.3963, 69.4290, 84.0304

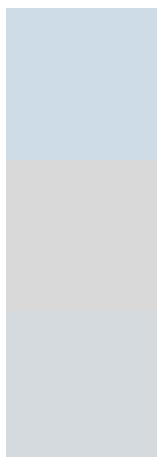
Deuteranomaly

68.5946, 69.3923, 85.3800

Tritanomaly

65.6364, 69.7254, 87.8408

Monochromacy



Original Color

65.0530, 69.8787, 84.9222

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.6968, 69.5629, 79.0716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0530, 69.8787, 84.9222 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, 220, 230) looks like.

```
.text, #text, p{  
    color:rgb(205, 220, 230)  
}
```

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, 220, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 220, 230) }
```

Border

The CSS property to change the border of an element to XYZ 65.0530, 69.8787, 84.9222 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, 220, 230) }
```


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

```
.border{ border-color:rgb(205, 220, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 220, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 220, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 220, 230);  
box-shadow:4px 4px 4px 4px rgb(205, 220,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0530, 69.8787, 84.9222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 220, 230) }
```

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

```
.background{ background-color: rgb(205,  
220, 230) }
```

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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