

Converting Colors

XYZ(65.4138, 69.5026, 86.8443)

Have a look what the booklet for
XYZ(65.4138, 69.5026, 86.8443)
contains.

XYZ(65.4931, 69.6680, 87.0862)	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(65.4931, 69.6680,
87.0862)**

Conversions

Conversions Part 1

Format	Color
Hex	CEDBE9
RGB	206, 219, 233
RGB Percent	81%, 86%, 91%
CMY	0.1921, 0.1412, 0.0863
CMYK	0.12, 0.06, 0.00, 0.09
HSL	211°, 38%, 86%
HSV	211°, 12%, 91%
XYZ	65.4931, 69.6680, 87.0862
YIQ	216.7090, -12.2420, 1.5980

Conversions

Conversions Part 2

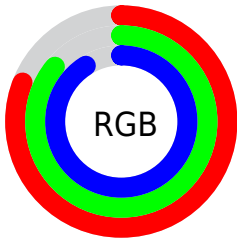
Format	Color
R _Y B	206, 215, 233
Decimal	13556713
CIE Lab	86.83, -1.62, -8.35
CIE LCh	87, 8.506, 259.007
Yxy	69.6680, 0.2947, 0.3135
Android (android.graphics.Color)	4291746793 (0xFFCEDBE9)
YUV	216.7090, 8.0315, -9.3918
Hunter-Lab	83.4674, -6.0069, -3.4334

Details

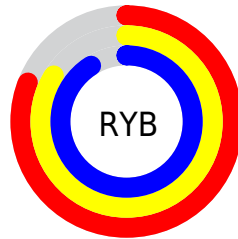
The XYZ color **65.4931, 69.6680, 87.0862** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.3385, 72.9660, 68.7705**, and the grayscale version is **65.7086, 69.1306, 75.2832**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.1602, 36.4006, 46.8206** is the 20% darker color. If you saturate the color by 10%, you get **56.4607, 60.5037, 85.7945**, and if you desaturate by 10%, it is **75.7172, 79.7898, 88.5021**.

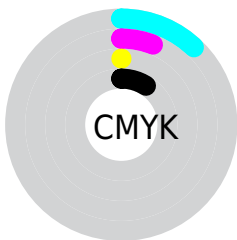
Distribution



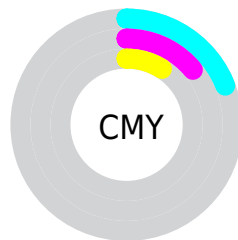
- Red (81%)
- Green (86%)
- Blue (91%)



- Red (81%)
- Yellow (84%)
- Blue (91%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (9%)



- Cyan (19%)
- Magenta (14%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.4931, 69.6680, 87.0862 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 65.4931, 69.6680, 87.0862 by changing the saturation by 10% instead.

■ 65.4931, 69.6680,
87.0862

■ 65.4931, 69.6680,
87.0862

434.0791,
459.3834, 538.8296

■ 48.1272, 51.2559,
65.0065

111.8203,
118.7352, 145.1842

■ 34.1393, 36.4123,
47.0150

141.5122,
150.1591, 182.0396

■ 23.1640, 24.7528,
32.6931

176.0436,
186.6890, 224.6573

■ 14.8360, 15.8930,
21.6222

215.7798,
228.7094, 273.4559

■ 8.7900, 9.4485,
13.3839

261.0860,
276.6047, 328.8539

■ 4.6604, 5.0348,
7.5596

312.3278,

■ 2.0821, 2.2677,

330.7591, 391.2698

3.7308

369.8703,
391.5573, 461.1222

■ 0.6795, 0.7565,
1.4788

■ 0.0000, 0.0000,
0.2021

■ 65.4931, 69.6680,
87.0862

■ 65.4931, 69.6680,
87.0862

■ 56.4607, 60.5037,
85.7945

■ 75.7172, 79.7898,
88.5021

■ 48.5669, 52.2569,
84.6187

■ 87.1709, 90.8901,
90.0410

■ 41.7637, 44.8972,
83.5567

■ 91.7082, 98.6633,
91.3023

■ 35.9969, 38.3892,
82.6045

■ 31.2074, 32.6942,
81.7577

■ 27.3294, 27.7703,
81.0117

■ 24.2880, 23.5700,
80.3612

■ 21.9940, 20.0386,
79.8005

■ 20.5257, 17.5183,
79.3914

Harmonies

Analogous

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



63.7481, 69.6680, 84.3989



65.4931, 69.6680, 87.0862



67.4666, 69.6680, 86.6539

Triad

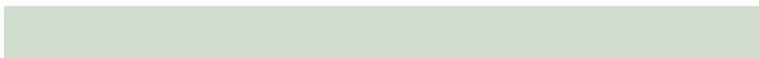
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.4931, 69.6680, 87.0862



69.8873, 69.6680, 72.3563



63.3816, 69.6680, 68.9182

Complementary

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



65.4931, 69.6680, 87.0862



70.3385, 72.9660, 68.7705

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.



64.9836, 69.6680, 65.9957



65.4931, 69.6680, 87.0862



68.7495, 69.6680, 67.9111

Square

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



65.4931, 69.6680, 87.0862



70.0303, 69.6680, 77.9575



66.9469, 69.6680, 65.6364



62.5453, 69.6680, 73.7938

Rectangle

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



65.4931, 69.6680, 87.0862



68.6458, 69.6680, 84.6603



66.9469, 69.6680, 65.6364



63.8469, 69.6680, 67.6855

Sweetspot

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



65.4951, 69.6709, 87.0877



91.0392, 96.0736, 108.3535



67.5054, 76.5655, 78.8974



19.2617, 20.3430, 23.1613



0.0000, 0.0000, 0.0000



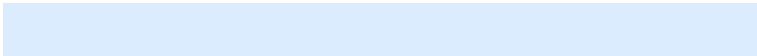
20.3446, 21.4041, 23.3091

Same Dimension

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



65.4951, 69.6709, 87.0877



77.4913, 82.6017, 106.4672



62.3593, 63.2136, 86.0066



14.8298, 15.7461, 19.1799



11.7694, 10.1858, 45.0887



1.0201, 0.9916, 3.5725

Inverse Universe

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



68.4634, 66.5823, 76.2644



81.8619, 78.1645, 90.5054



73.7382, 79.9832, 69.9458



15.3676, 15.1749, 17.2213



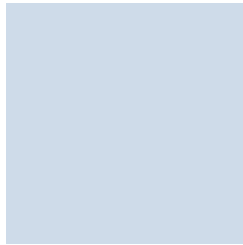
20.7959, 10.5211, 9.9927



1.6814, 0.8455, 1.0396

Previews

White Background



This preview shows how the XYZ color 65.4931, 69.6680, 87.0862 looks on a white background.

Color Contrast Check

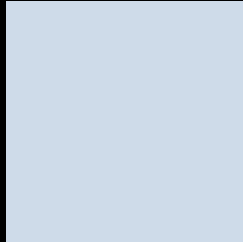
Large Text (above 18pt) WCAG AA × Fail

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 65.4931, 69.6680, 87.0862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

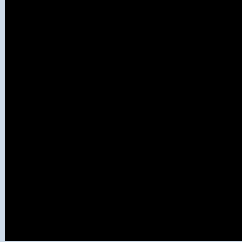
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

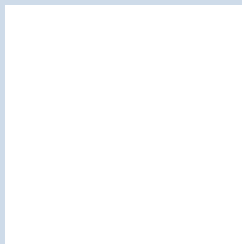
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.4931, 69.6680, 87.0862

Background



This preview shows how black text looks on a background with the XYZ color 65.4931, 69.6680, 87.0862.

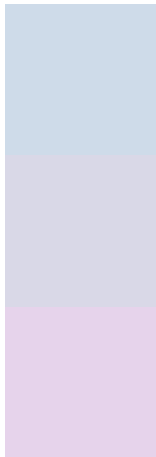


This preview shows how white text looks on a background with the XYZ color 65.4931, 69.6680,

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

65.4931, 69.6680, 87.0862

Protanopia

67.5949, 69.6330, 85.4792

Deuteranopia

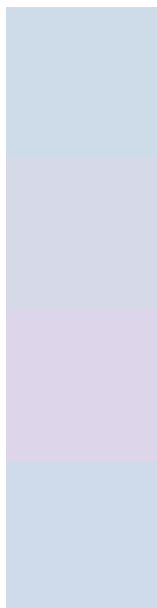
70.9228, 69.4097, 88.2566



Tritanopia

66.2040, 69.9846, 89.3759

Trichromacy



Original Color

65.4931, 69.6680, 87.0862

Protanomaly

66.8189, 69.5980, 86.2560

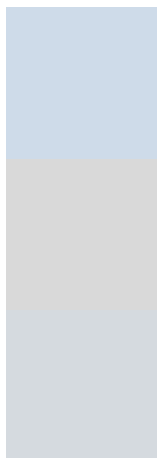
Deuteranomaly

68.7166, 69.4058, 87.6168

Tritanomaly

66.0590, 69.9266, 88.6128

Monochromacy



Original Color

65.4931, 69.6680, 87.0862

Achromatopsia

65.9525, 69.3872, 75.5626

Achromatomaly

65.8313, 69.6167, 79.7797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4931, 69.6680, 87.0862 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(206, 219, 233) looks like.

```
.text, #text, p{  
    color:rgb(206, 219, 233)  
}
```

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(206, 219, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 219, 233) }
```

Border

The CSS property to change the border of an element to XYZ 65.4931, 69.6680, 87.0862 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(206, 219, 233) }
```


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

```
.border{ border-color:rgb(206, 219, 233) }
```

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

Here you see how a box with a 4 pixel rgb(206, 219, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 219, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 219, 233);  
box-shadow:4px 4px 4px 4px rgb(206, 219,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4931, 69.6680, 87.0862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 219, 233) }
```

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

```
.background{ background-color: rgb(206,  
219, 233) }
```

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