

Converting Colors

XYZ(64.4407, 67.9741, 86.8147)

Have a look what the booklet for
XYZ(64.4407, 67.9741, 86.8147)
contains.

XYZ(64.4407, 67.9741, 86.8147)	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(64.4407, 67.9741,
86.8147)**

Conversions

Conversions Part 1

Format	Color
Hex	CDD8E9
RGB	205, 216, 233
RGB Percent	80%, 85%, 91%
CMY	0.1961, 0.1529, 0.0863
CMYK	0.12, 0.07, 0.00, 0.09
HSL	216°, 39%, 86%
HSV	216°, 12%, 91%
XYZ	64.4407, 67.9741, 86.8147
YIQ	214.6490, -12.0130, 2.9550

Conversions

Conversions Part 2

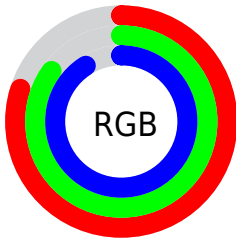
Format	Color
R _Y B	205, 213, 233
Decimal	13490409
CIE Lab	85.99, -0.38, -9.61
CIE LCh	86, 9.613, 267.745
Yxy	67.9741, 0.2939, 0.3101
Android (android.graphics.Color)	4291680489 (0xFFCDD8E9)
YUV	214.6490, 9.0470, -8.4622
Hunter-Lab	82.4464, -4.7643, -4.7189

Details

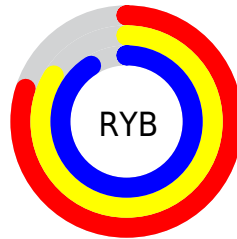
The XYZ color **64.4407, 67.9741, 86.8147** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.7453, 73.9735, 68.3086**, and the grayscale version is **64.3023, 67.6510, 73.6720**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **33.4432, 35.2434, 46.6350** is the 20% darker color. If you saturate the color by 10%, you get **55.0172, 57.9679, 85.3811**, and if you desaturate by 10%, it is **75.1373, 79.1032, 88.4001**.

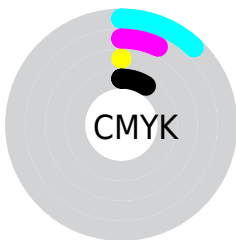
Distribution



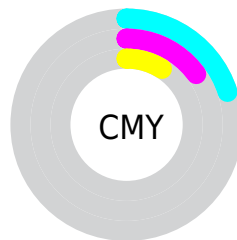
- Red (80%)
- Green (85%)
- Blue (91%)



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



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (20%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4407, 67.9741, 86.8147 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 64.4407, 67.9741, 86.8147 by changing the saturation by 10% instead.

■ 64.4407, 67.9741,
86.8147

■ 64.4407, 67.9741,
86.8147

430.3564,
453.4042, 537.9142

■ 47.2707, 49.8767,
64.7831

110.3156,
116.3151, 144.8024

■ 33.4586, 35.3154,
46.8350

139.7512,
147.3274, 181.5957

■ 22.6389, 23.9059,
32.5518

174.0060,
183.4135, 224.1465

■ 14.4463, 15.2639,
21.5150

213.4455,
224.9578, 272.8735

■ 8.5155, 9.0048,
13.3061

258.4349,
272.3446, 328.1953

■ 4.4811, 4.7443,
7.5065

309.3396,

■ 1.9777, 2.0980,

325.9583, 390.5303

3.6976

366.5250,
386.1834, 460.2971

■ 0.6214, 0.6635,
1.4610

■ 0.0000, 0.0000,
0.1886

■ 64.4407, 67.9741,
86.8147

■ 64.4407, 67.9741,
86.8147

■ 55.0172, 57.9679,
85.3811

■ 75.1373, 79.1032,
88.4001

■ 46.8107, 49.0388,
84.0901

■ 87.1480, 91.3823,
90.1372

■ 39.7699, 41.1500,
82.9385

■ 91.7082, 98.6633,
91.3022

■ 33.8371, 34.2591,
81.9211

■ 28.9493, 28.3206,
81.0325

■ 25.0368, 23.2845,
80.2666

■ 22.0200, 19.0954,
79.6170

■ 19.8047, 15.6891,
79.0763

■ 18.4975, 13.4619,
78.7153

Harmonies

Analogous

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



62.3718, 67.9741, 84.7583



64.4407, 67.9741, 86.8147



66.6004, 67.9741, 85.2823

Triad

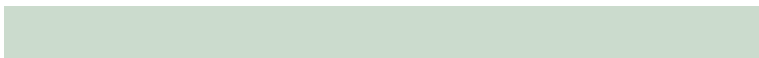
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



64.4407, 67.9741, 86.8147



68.4312, 67.9741, 68.5045



61.0892, 67.9741, 67.7217

Complementary

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



64.4407, 67.9741, 86.8147



70.7453, 73.9735, 68.3086

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.



62.6544, 67.9741, 63.7816



64.4407, 67.9741, 86.8147



66.8956, 67.9741, 64.2151

Square

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



64.4407, 67.9741, 86.8147



68.9353, 67.9741, 74.4909



64.7743, 67.9741, 62.5347



60.4645, 67.9741, 73.5356

Rectangle

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



64.4407, 67.9741, 86.8147



67.7952, 67.9741, 82.4775



64.7743, 67.9741, 62.5347



61.5210, 67.9741, 66.1470

Sweetspot

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



64.4427, 67.9769, 86.8162



89.4529, 94.2294, 108.0812



67.4750, 76.5213, 80.1817



18.9275, 19.9421, 23.1016



0.0000, 0.0000, 0.0000



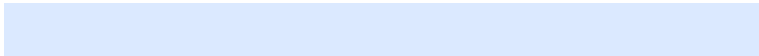
20.3446, 21.4041, 23.3091

Same Dimension

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



64.4427, 67.9769, 86.8162



76.5859, 80.7909, 106.1654



62.4968, 62.9281, 85.9443



14.7168, 15.5200, 19.1422



10.6082, 7.8634, 44.7016



0.9243, 0.8001, 3.5406

Inverse Universe

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



67.8318, 65.9456, 74.1227



81.4049, 77.9817, 88.0989



72.8568, 79.5428, 69.2723



15.3106, 15.1521, 16.9208



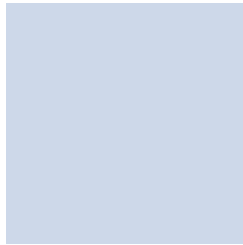
20.2098, 10.2866, 6.9063



1.6330, 0.8262, 0.7850

Previews

White Background



This preview shows how the XYZ color 64.4407, 67.9741, 86.8147 looks on a white background.

Color Contrast Check

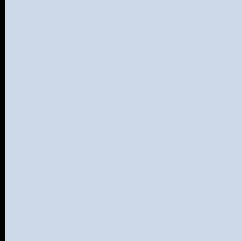
Large Text (above 18pt) WCAG AA × Fail

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 64.4407, 67.9741, 86.8147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

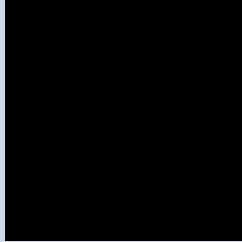
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4407, 67.9741, 86.8147

Background



This preview shows how black text looks on a background with the XYZ color 64.4407, 67.9741, 86.8147.

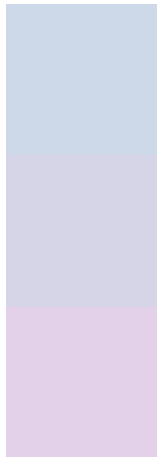


This preview shows how white text looks on a background with the XYZ color 64.4407, 67.9741,

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

64.4407, 67.9741, 86.8147

Protanopia

65.9496, 67.6542, 85.1839

Deuteranopia

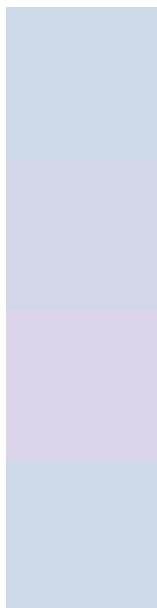
69.3303, 67.8723, 87.2885



Tritanopia

64.4407, 67.9741, 86.8147

Trichromacy



Original Color

64.4407, 67.9741, 86.8147

Protanomaly

65.4760, 67.7682, 85.9735

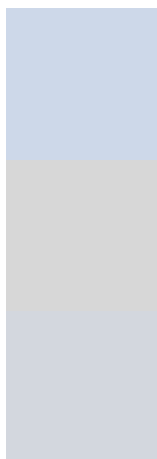
Deuteranomaly

67.6082, 68.0875, 87.4208

Tritanomaly

64.4407, 67.9741, 86.8147

Monochromacy



Original Color

64.4407, 67.9741, 86.8147

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

64.3492, 67.7237, 78.7877

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4407, 67.9741, 86.8147 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, 216, 233) looks like.

```
.text, #text, p{  
    color:rgb(205, 216, 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(205, 216, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 216, 233) }
```

Border

The CSS property to change the border of an element to XYZ 64.4407, 67.9741, 86.8147 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, 216, 233) }
```


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

```
.border{ border-color:rgb(205, 216, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 216, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 216, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 216, 233);  
box-shadow:4px 4px 4px 4px rgb(205, 216,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4407, 67.9741, 86.8147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 216, 233) }
```

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

```
.background{ background-color: rgb(205,  
216, 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