

Converting Colors

XYZ(67.7313, 72.7835, 84.9741)

Have a look what the booklet for
XYZ(67.7313, 72.7835, 84.9741)
contains.

XYZ(67.8026, 72.8734, 85.3553)	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(67.8026, 72.8734,
85.3553)**

Conversions

Conversions Part 1

Format	Color
Hex	D3E0E6
RGB	211, 224, 230
RGB Percent	83%, 88%, 90%
CMY	0.1725, 0.1215, 0.0980
CMYK	0.08, 0.03, 0.00, 0.10
HSL	199°, 28%, 86%
HSV	199°, 8%, 90%
XYZ	67.8026, 72.8734, 85.3553
YIQ	220.7970, -9.6740, -0.8900

Conversions

Conversions Part 2

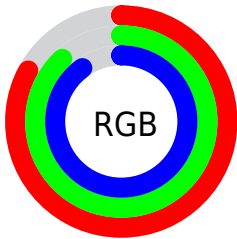
Format	Color
R_{YB}	211, 219, 230
Decimal	13885670
CIE _{Lab}	88.39, -3.19, -4.43
CIE _{LCh}	88, 5.460, 234.286
Yxy	72.8734, 0.3000, 0.3224
Android (android.graphics.Color)	4292075750 (0xFFD3E0E6)
YUV	220.7970, 4.5371, -8.5920
Hunter-Lab	85.3659, -7.6152, 0.4735

Details

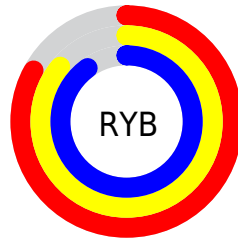
The XYZ color **67.8026, 72.8734, 85.3553** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **69.2042, 71.1514, 71.7155**, and the grayscale version is **68.5607, 72.1312, 78.5509**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.6361, 38.5390, 46.1180** is the 20% darker color. If you saturate the color by 10%, you get **59.7701, 65.8997, 84.4337**, and if you desaturate by 10%, it is **76.8655, 80.5059, 86.3520**.

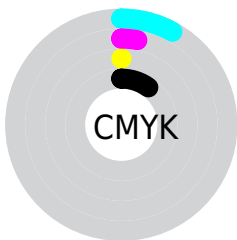
Distribution



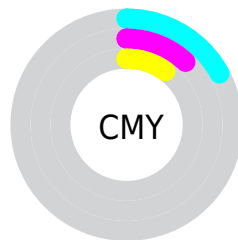
- Red (83%)
- Green (88%)
- Blue (90%)



- Red (83%)
- Yellow (86%)
- Blue (90%)



- Cyan (8%)
- Magenta (3%)
- Yellow (0%)
- Black (10%)



- Cyan (17%)
- Magenta (12%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8026, 72.8734, 85.3553 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 67.8026, 72.8734, 85.3553 by changing the saturation by 10% instead.

■ 67.8026, 72.8734,
85.3553

■ 67.8026, 72.8734,
85.3553

442.1840,
470.5759, 532.9782

■ 50.0102, 53.8725,
63.5832

115.1132,
123.2975, 142.7480

■ 35.6394, 38.4997,
45.8691

145.3621,
155.4894, 179.2057

■ 24.3246, 26.3707,
31.7946

180.4939,
192.8471, 221.3957

■ 15.7006, 17.1012,
20.9412

220.8740,
235.7549, 269.7364

■ 9.4021, 10.3067,
12.8902

266.8677,
284.5973, 324.6465

■ 5.0636, 5.6028,
7.2231

318.8404,

■ 2.3197, 2.6051,

339.7587, 386.5445

3.5215

377.1573,
401.6234, 455.8489

■ 0.8047, 0.9292,
1.3667

■ 0.0000, 0.0000,
0.1155

■ 67.8026, 72.8734,
85.3553

■ 67.8026, 72.8734,
85.3553

■ 59.7701, 65.8997,
84.4337

■ 76.8655, 80.5059,
86.3520

■ 52.7206, 59.5530,
83.5802

■ 86.2503, 88.4275,
87.3864

■ 46.6127, 53.8122,
82.7941

■ 88.4128, 92.7525,
88.1072

■ 41.3992, 48.6515,
82.0727

■ 90.6615, 97.2500,
88.8568

■ 37.0284, 44.0426,
81.4135

■ 91.2831, 98.4933,
89.0640

■ 33.4432, 39.9544,
80.8134

■ 30.5789, 36.3520,
80.2690

■ 28.3591, 33.1941,
79.7765

■ 26.6752, 30.4231,
79.3303

Harmonies

Analogous

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



66.9911, 72.8734, 82.3539



67.8026, 72.8734, 85.3553



69.0133, 72.8734, 86.7508

Triad

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



67.8026, 72.8734, 85.3553



71.8032, 72.8734, 80.0678



68.2321, 72.8734, 72.9452

Complementary

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



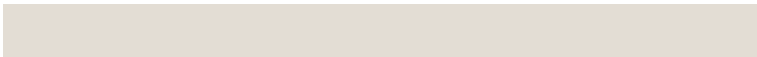
67.8026, 72.8734, 85.3553



69.2042, 71.1514, 71.7155

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.



69.5153, 72.8734, 72.3764



67.8026, 72.8734, 85.3553



71.5877, 72.8734, 76.4137

Square

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



67.8026, 72.8734, 85.3553



71.3314, 72.8734, 83.6369



70.7462, 72.8734, 73.6270



67.2369, 72.8734, 75.2059

Rectangle

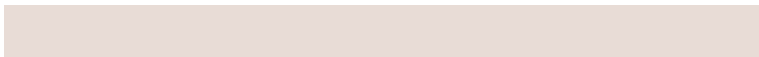
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



67.8026, 72.8734, 85.3553



69.8880, 72.8734, 86.5520



70.7462, 72.8734, 73.6270



68.6437, 72.8734, 72.5529

Sweetspot

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



67.8047, 72.8765, 85.3569



92.6872, 98.0228, 108.6429



67.6474, 75.4379, 76.4381



19.8637, 21.0017, 23.2568



0.0000, 0.0000, 0.0000



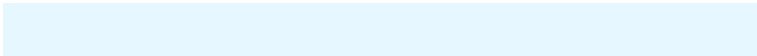
20.3446, 21.4041, 23.3091

Same Dimension

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



67.8047, 72.8765, 85.3569



83.7689, 90.4525, 107.6517



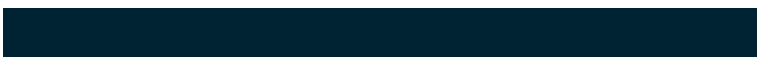
65.3977, 68.0625, 84.5546



14.4037, 15.5288, 18.3825



15.0658, 17.1937, 44.9078



1.1957, 1.4354, 3.3460

Inverse Universe

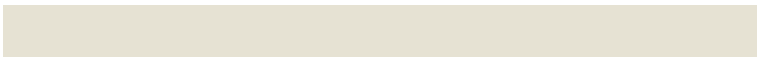
The Inverse Universe completely reimagines the original color for something new.



69.3836, 68.7949, 80.1464



86.1789, 84.2882, 99.6839



71.6430, 76.0289, 72.5284



14.7914, 14.5337, 17.1017



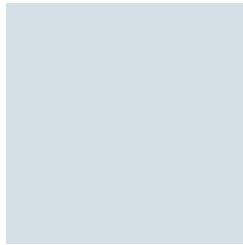
21.9980, 10.9334, 19.4164



1.6672, 0.8246, 1.6539

Previews

White Background



This preview shows how the XYZ color 67.8026, 72.8734, 85.3553 looks on a white background.

Color Contrast Check

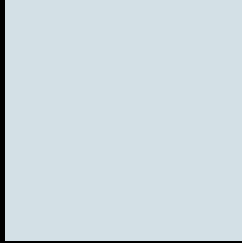
Large Text (above 18pt) WCAG AA × Fail

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 67.8026, 72.8734, 85.3553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

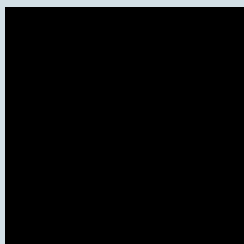
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

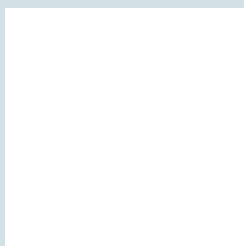
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.8026, 72.8734, 85.3553

Background



This preview shows how black text looks on a background with the XYZ color 67.8026, 72.8734, 85.3553.

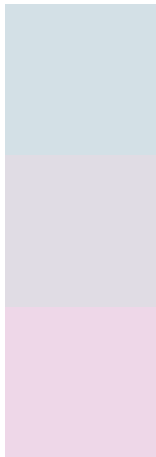


This preview shows how white text looks on a background with the XYZ color 67.8026, 72.8734,

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

67.8026, 72.8734, 85.3553

Protanopia

70.3373, 72.6351, 83.7116

Deuteranopia

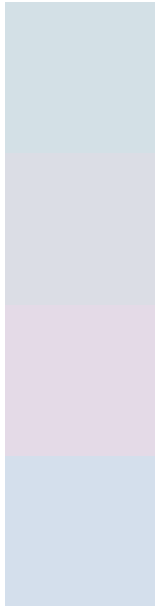
74.1258, 72.6042, 86.4511



Tritanopia

69.2900, 72.6800, 92.8147

Trichromacy



Original Color

67.8026, 72.8734, 85.3553

Protanomaly

69.2127, 72.4301, 84.4612

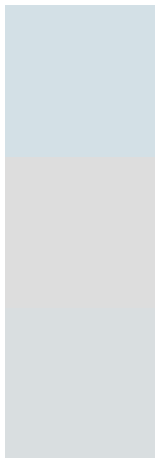
Deuteranomaly

71.4901, 72.4063, 85.8092

Tritanomaly

68.6794, 72.8285, 89.7944

Monochromacy



Original Color

67.8026, 72.8734, 85.3553

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.1911, 72.3761, 80.8969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8026, 72.8734, 85.3553 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(211, 224, 230) looks like.

```
.text, #text, p{  
    color:rgb(211, 224, 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(211, 224, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 224, 230) }
```

Border

The CSS property to change the border of an element to XYZ 67.8026, 72.8734, 85.3553 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(211, 224, 230) }
```


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

```
.border{ border-color:rgb(211, 224, 230) }
```

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

Here you see how a box with a 4 pixel rgb(211, 224, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 224, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 224, 230);  
box-shadow:4px 4px 4px 4px rgb(211, 224,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8026, 72.8734, 85.3553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 224, 230) }
```

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

```
.background{ background-color: rgb(211,  
224, 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](#).

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