

Converting Colors

XYZ(56.2198, 66.7124, 57.4917)

Have a look what the booklet for
XYZ(56.2198, 66.7124, 57.4917)
contains.

XYZ(56.1846, 66.6922, 57.4886)	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(56.1846, 66.6922,
57.4886)**

Conversions

Conversions Part 1

Format	Color
Hex	BDDEBC
RGB	189, 222, 188
RGB Percent	74%, 87%, 74%
CMY	0.2588, 0.1294, 0.2627
CMYK	0.15, 0.00, 0.15, 0.13
HSL	118°, 34%, 80%
HSV	118°, 15%, 87%
XYZ	56.1846, 66.6922, 57.4886
YIQ	208.2570, -8.7540, -17.5700

Conversions

Conversions Part 2

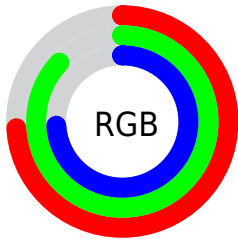
Format	Color
RYB	188, 222, 221
Decimal	12443324
CIELab	85.35, -17.22, 13.09
CIELCh	85, 21.630, 142.758
Yxy	66.6922, 0.3115, 0.3698
Android (android.graphics.Color)	4290633404 (0xFFBDDEBC)
YUV	208.2570, -9.9867, -16.8884
Hunter-Lab	81.6653, -20.1087, 15.4283

Details

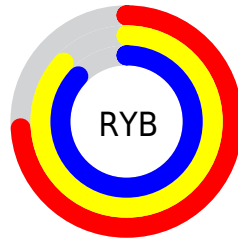
The XYZ color **56.1846, 66.6922, 57.4886** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **60.9896, 56.6145, 76.8239**, and the grayscale version is **60.1893, 63.3238, 68.9596**.

A 20% lighter version of the original color is **90.0952, 97.6445, 99.6867**, and **28.1836, 34.5376, 28.1027** is the 20% darker color. If you saturate the color by 10%, you get **49.0195, 63.2560, 45.6069**, and if you desaturate by 10%, it is **64.5156, 70.6908, 71.3493**.

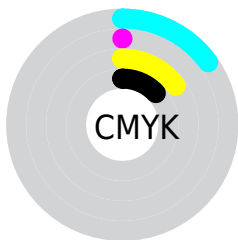
Distribution



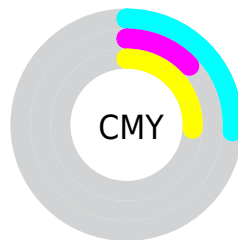
- Red (74%)
- Green (87%)
- Blue (74%)



- Red (74%)
- Yellow (87%)
- Blue (87%)



- Cyan (15%)
- Magenta (0%)
- Yellow (15%)
- Black (13%)



- Cyan (26%)
- Magenta (13%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1846, 66.6922, 57.4886 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 56.1846, 66.6922, 57.4886 by changing the saturation by 10% instead.

■ 56.1846, 66.6922,
57.4886

■ 56.1846, 66.6922,
57.4886

400.4506,
448.8484, 432.8226

■ 40.5885, 48.8345,
40.9857

■ 98.4127, 114.4793,
102.6852

■ 28.1840, 34.4882,
27.9883

125.7754,
145.1774, 132.2159

■ 18.6055, 23.2689,
18.0779

157.7910,
180.9246, 166.9263

■ 11.4879, 14.7922,
10.8359

194.8250,
222.1050, 207.2350

■ 6.4657, 8.6737,
5.8438

237.2425,
269.1033, 253.5604

■ 3.1736, 4.5290,
2.6831


285.4091,

■ 1.2462, 1.9736,


322.3036, 306.3211


0.9349


339.6900,
382.0905, 365.9356


 0.1424, 0.5921,
0.0000


 0.0000, 0.0000,
0.0000


 56.1846, 66.6922,
57.4886


 56.1846, 66.6922,
57.4886


 49.0195, 63.2560,
45.6069


 64.5156, 70.6908,
71.3493


 42.9633, 60.3489,
35.6100

 74.0557, 75.2664,
87.2690

 37.9622, 57.9472,
27.4023

 84.8521, 80.4436,
105.3282

 33.9559, 56.0221,
20.8782

 85.4126, 80.7252,
105.6875

■ 30.8778, 54.5419,
15.9213

■ 28.6535, 53.4708,
12.3999

■ 27.1969, 52.7679,
10.1613

■ 26.4039, 52.3836,
9.0181

■ 26.2043, 52.2873,
8.7114

Harmonies

Analogous

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



59.8158, 66.6922, 50.4797



56.1846, 66.6922, 57.4886



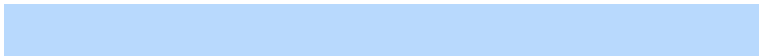
54.4994, 66.6922, 69.2697

Triad

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



56.1846, 66.6922, 57.4886



62.2093, 66.6922, 102.7876



72.4744, 66.6922, 62.6763

Complementary

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



56.1846, 66.6922, 57.4886



60.9896, 56.6145, 76.8239

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.



73.1962, 66.6922, 76.0694



56.1846, 66.6922, 57.4886



67.1016, 66.6922, 100.4304

Square

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



56.1846, 66.6922, 57.4886



57.8595, 66.6922, 96.2692



71.1842, 66.6922, 90.1895



69.2598, 66.6922, 53.1947

Rectangle

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



56.1846, 66.6922, 57.4886



54.6417, 66.6922, 78.7358



71.1842, 66.6922, 90.1895



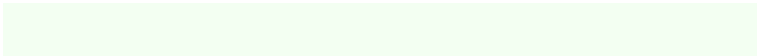
73.0231, 66.6922, 66.8228

Sweetspot

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



56.1864, 66.6950, 57.4901



88.6573, 96.9338, 98.2388



65.0255, 70.8064, 57.8178



18.7913, 20.6591, 20.7188



0.0000, 0.0000, 0.0000



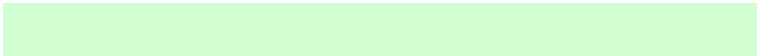
20.3446, 21.4041, 23.3091

Same Dimension

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



56.1864, 66.6950, 57.4901



73.9873, 89.8960, 73.8387



57.7456, 67.2902, 66.9898



13.5658, 15.3563, 14.5559



15.5803, 31.0644, 5.1749



1.0933, 2.1601, 0.3593

Inverse Universe

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



60.9896, 56.6145, 76.8239



81.6205, 73.8751, 104.5652



59.2665, 55.9605, 66.1575



14.2531, 13.9140, 17.3221



24.5781, 11.7658, 42.0240



1.7163, 0.8221, 2.9135

Previews

White Background



This preview shows how the XYZ color 56.1846, 66.6922, 57.4886 looks on a white background.

Color Contrast Check

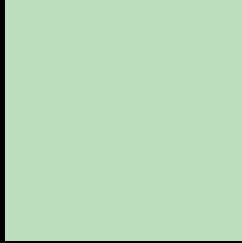
Large Text (above 18pt) WCAG AA × Fail

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 56.1846, 66.6922, 57.4886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

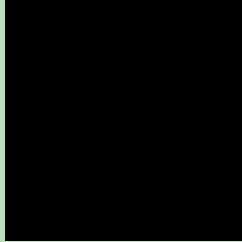
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.1846, 66.6922, 57.4886

Background



This preview shows how black text looks on a background with the XYZ color 56.1846, 66.6922, 57.4886.



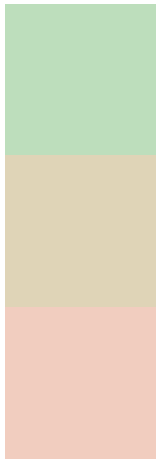
This preview shows how white text looks on a background with the XYZ color 56.1846, 66.6922,

57.4886.

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

56.1846, 66.6922, 57.4886

Protanopia

62.5222, 66.1938, 54.2812

Deuteranopia

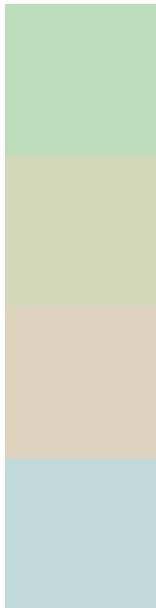
67.5109, 66.1250, 58.4954



Tritanopia

62.0288, 66.7307, 86.7018

Trichromacy



Original Color

56.1846, 66.6922, 57.4886

Protanomaly

60.1768, 66.4634, 55.5560

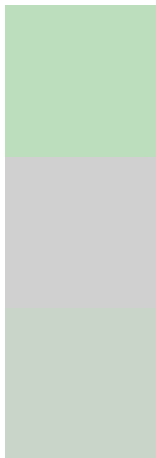
Deuteranomaly

62.7127, 65.8358, 58.1175

Tritanomaly

59.5881, 66.4900, 75.3389

Monochromacy



Original Color

56.1846, 66.6922, 57.4886

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.4243, 64.2231, 64.5753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1846, 66.6922, 57.4886 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(189, 222, 188)` looks like.

```
.text, #text, p{  
    color:rgb(189, 222, 188)  
}
```

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(189, 222, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 222, 188) }
```

Border

The CSS property to change the border of an element to XYZ 56.1846, 66.6922, 57.4886 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(189, 222, 188) }
```


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

```
.border{ border-color:rgb(189, 222, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 222, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 222, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 222, 188);  
box-shadow:4px 4px 4px 4px rgb(189, 222,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1846, 66.6922, 57.4886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 222, 188) }
```

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

```
.background{ background-color: rgb(189,  
222, 188) }
```

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