

Converting Colors

XYZ(51.8975, 66.7528, 33.3652)

Have a look what the booklet for
XYZ(51.8975, 66.7528, 33.3652)
contains.

XYZ(51.8900, 66.6094, 33.4146)	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(51.8900, 66.6094,
33.4146)**

Conversions

Conversions Part 1

Format	Color
Hex	BAE288
RGB	186, 226, 136
RGB Percent	73%, 89%, 53%
CMY	0.2706, 0.1137, 0.4667
CMYK	0.18, 0.00, 0.40, 0.11
HSL	87°, 61%, 71%
HSV	87°, 40%, 89%
XYZ	51.8900, 66.6094, 33.4146
YIQ	203.7800, 5.0500, -36.4700

Conversions

Conversions Part 2

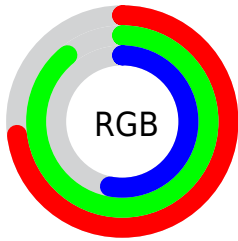
Format	Color
RYB	136, 226, 176
Decimal	12247688
CIELab	85.31, -28.01, 39.76
CIELCh	85, 48.641, 125.167
Yxy	66.6094, 0.3416, 0.4385
Android (android.graphics.Color)	4290437768 (0xFFBAE288)
YUV	203.7800, -33.4155, -15.5931
Hunter-Lab	81.6146, -29.3364, 32.8557

Details

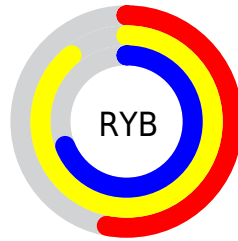
The XYZ color **51.8900, 66.6094, 33.4146** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **40.4389, 32.3313, 76.0644**, and the grayscale version is **57.4592, 60.4515, 65.8317**.

A 20% lighter version of the original color is **82.0164, 94.2924, 62.5927**, and **25.5232, 34.5912, 13.7191** is the 20% darker color. If you saturate the color by 10%, you get **48.0953, 64.8217, 25.7187**, and if you desaturate by 10%, it is **56.1983, 68.6269, 42.9050**.

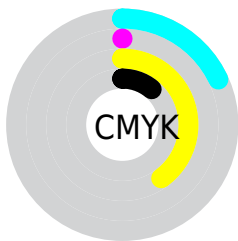
Distribution



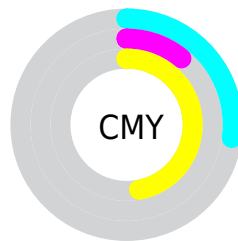
- Red (73%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (69%)



- Cyan (18%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)



- Cyan (27%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8900, 66.6094, 33.4146 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 51.8900, 66.6094, 33.4146 by changing the saturation by 10% instead.

■ 51.8900, 66.6094,
33.4146

■ 51.8900, 66.6094,
33.4146

384.3427,
448.5532, 332.2029

■ 37.1413, 48.7673,
22.1705

■ 92.1442, 114.3605,
66.1457

■ 25.4911, 34.4349,
13.7827

■ 118.3804,
145.0383, 88.4699

■ 16.5740, 23.2279,
7.8327

■ 149.1765,
180.7635, 115.3245

■ 10.0246, 14.7619,
3.9018

184.8978,
221.9204, 147.1280

■ 5.4777, 8.6524,
1.5717

225.9098,
268.8934, 184.2991

■ 2.5678, 4.5152,
0.2705

272.5777,

■ 0.9296, 1.9657,

322.0669, 227.2563

0.0000

325.2669,
381.8254, 276.4180

0.0000, 0.5874,
0.0000

0.0000, 0.0000,
0.0000

51.8900, 66.6094,
33.4146

51.8900, 66.6094,
33.4146

48.0953, 64.8217,
25.7187

56.1983, 68.6269,
42.9050

44.7844, 63.2446,
19.6998


61.0382, 70.8750,
54.2889


41.9312, 61.8696,
15.2331


66.4328, 73.3656,
67.6633


39.5048, 60.6840,
12.1747


72.4022, 76.1071,
83.1172

 37.4688, 59.6726,
10.3538

 78.9654, 79.1074,
100.7342

 35.7639, 58.8113,
9.4782

 83.3500, 81.2580,
105.8991

 35.7356, 58.7969,
9.4655

 86.4878, 82.8755,
106.0459

Harmonies

Analogous

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



61.4241, 66.6094, 27.3706



51.8900, 66.6094, 33.4146



45.9855, 66.6094, 49.9393

Triad

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



51.8900, 66.6094, 33.4146



54.8340, 66.6094, 142.5825



86.8049, 66.6094, 67.2057

Complementary

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



51.8900, 66.6094, 33.4146



40.4389, 32.3313, 76.0644

Split Complementary

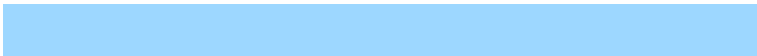
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.5170, 66.6094, 101.0657



51.8900, 66.6094, 33.4146



65.2346, 66.6094, 151.1550

Square

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



51.8900, 66.6094, 33.4146



47.5422, 66.6094, 113.3206



76.2940, 66.6094, 134.1901



82.2281, 66.6094, 42.9266

Rectangle

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



51.8900, 66.6094, 33.4146



44.4822, 66.6094, 67.5398



76.2940, 66.6094, 134.1901



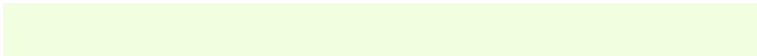
86.8182, 66.6094, 77.7524

Sweetspot

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



51.8917, 66.6123, 33.4160



85.6808, 95.6946, 84.7608



51.1405, 48.6087, 29.9806



18.1352, 20.3885, 17.6317



0.0000, 0.0000, 0.0000



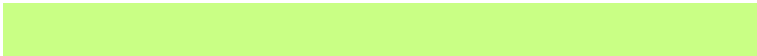
20.3446, 21.4041, 23.3091

Same Dimension

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



51.8917, 66.6123, 33.4160



63.9447, 85.5638, 35.1909



42.7977, 61.9242, 32.9904



14.2533, 15.7107, 14.5880



20.5248, 33.6134, 5.4063



1.5252, 2.3827, 0.3795

Inverse Universe

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



40.4389, 32.3313, 76.0644



46.8776, 34.4512, 98.7868



52.0494, 38.3168, 76.6078



13.5275, 13.5399, 17.2882



10.9904, 4.7611, 41.3881



0.8636, 0.3825, 2.8736

Previews

White Background



This preview shows how the XYZ color 51.8900, 66.6094, 33.4146 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 51.8900, 66.6094, 33.4146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

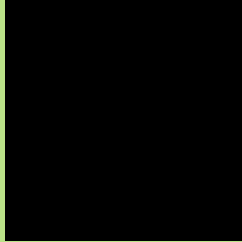
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8900, 66.6094, 33.4146

Background



This preview shows how black text looks on a background with the XYZ color 51.8900, 66.6094, 33.4146.

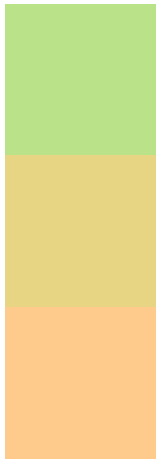


This preview shows how white text looks on a background with the XYZ color 51.8900, 66.6094,

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

51.8900, 66.6094, 33.4146

Protanopia

61.1697, 66.3830, 31.0619

Deuteranopia

67.4037, 65.8950, 34.3657



Tritanopia

62.4191, 66.5692, 85.9032

Trichromacy



Original Color

51.8900, 66.6094, 33.4146

Protanomaly

57.3294, 66.2833, 31.9627

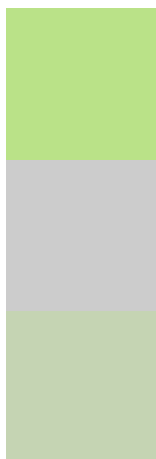
Deuteranomaly

60.5876, 65.2756, 33.8322

Tritanomaly

57.6577, 66.1636, 62.5553

Monochromacy



Original Color

51.8900, 66.6094, 33.4146

Achromatopsia

57.3938, 60.3827, 65.7568

Achromatomaly

54.7061, 62.2120, 51.7726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8900, 66.6094, 33.4146 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(186, 226, 136)` looks like.

```
.text, #text, p{  
    color:rgb(186, 226, 136)  
}
```

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(186, 226, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 226, 136) }
```

Border

The CSS property to change the border of an element to XYZ 51.8900, 66.6094, 33.4146 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(186, 226, 136) }
```


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

```
.border{ border-color:rgb(186, 226, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 226, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 226, 136); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 226, 136); box-shadow:4px 4px 4px 4px rgb(186, 226, 136) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8900, 66.6094, 33.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 226, 136) }
```

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

```
.background{ background-color: rgb(186,  
226, 136) }
```

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