

Converting Colors

XYZ(51.2041, 65.7890, 31.8673)

Have a look what the booklet for
XYZ(51.2041, 65.7890, 31.8673)
contains.

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Color

**XYZ(51.3398, 65.9555,
31.8546)**

Conversions

Conversions Part 1

Format	Color
Hex	BAE184
RGB	186, 225, 132
RGB Percent	73%, 88%, 52%
CMY	0.2706, 0.1176, 0.4823
CMYK	0.17, 0.00, 0.41, 0.12
HSL	85°, 61%, 70%
HSV	85°, 41%, 88%
XYZ	51.3398, 65.9555, 31.8546
YIQ	202.7370, 6.6090, -37.1910

Conversions

Conversions Part 2

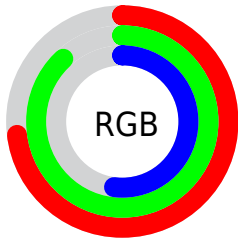
Format	Color
RYB	132, 225, 171
Decimal	12247428
CIELab	84.97, -28.03, 41.32
CIElCh	85, 49.933, 124.151
Yxy	65.9555, 0.3442, 0.4422
Android (android.graphics.Color)	4290437508 (0xFFBAE184)
YUV	202.7370, -34.8733, -14.6783
Hunter-Lab	81.2130, -29.2817, 33.5935

Details

The XYZ color **51.3398, 65.9555, 31.8546** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **38.6392, 30.5986, 75.1075**, and the grayscale version is **56.8102, 59.7687, 65.0881**.

A 20% lighter version of the original color is **81.5851, 94.1199, 60.3213**, and **25.1828, 34.1539, 12.8545** is the 20% darker color. If you saturate the color by 10%, you get **47.7463, 64.2642, 24.4979**, and if you desaturate by 10%, it is **55.4201, 67.8635, 40.9701**.

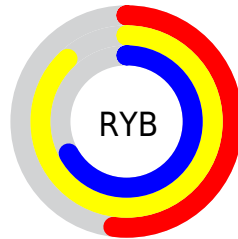
Distribution



Red (73%)

Green (88%)

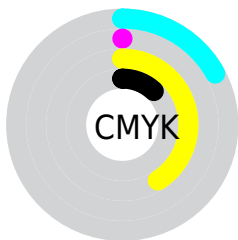
Blue (52%)



Red (52%)

Yellow (88%)

Blue (67%)

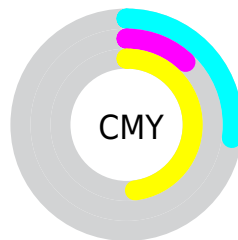


Cyan (17%)

Magenta (0%)

Yellow (41%)

Black (12%)



Cyan (27%)


Magenta (12%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3398, 65.9555, 31.8546 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 51.3398, 65.9555, 31.8546 by changing the saturation by 10% instead.


 51.3398, 65.9555,
31.8546


 51.3398, 65.9555,
31.8546


382.2485,
446.2177, 324.9287


 36.7012, 48.2363,
20.9866


 91.3369, 113.4225,
63.6783

 25.1489, 34.0140,
12.9230


 117.4261,
143.9390, 85.4711

 16.3173, 22.9044,
7.2455


 148.0629,
179.4901, 111.7426

 9.8413, 14.5229,
3.5353

183.6127,
220.4601, 142.9112

 5.3553, 8.4853,
1.3740

224.4408,
267.2335, 179.3956

 2.4941, 4.4070,
0.1214

270.9125,

 0.8923, 1.9037,

320.1946, 221.6143

0.0000

323.3933,
379.7279, 269.9858

0.0000, 0.5506,
0.0000

0.0000, 0.0000,
0.0000

51.3398, 65.9555,
31.8546

51.3398, 65.9555,
31.8546

47.7463, 64.2642,
24.4979

55.4201, 67.8635,
40.9701

44.6102, 62.7707,
18.7819


60.0048, 69.9889,
51.9435


41.9061, 61.4669,
14.5812


65.1163, 72.3431,
64.8719


39.6032, 60.3400,
11.7500


70.7741, 74.9343,
79.8442


 37.6654, 59.3752,
10.1141

 76.9968, 77.7702,
96.9437

 36.2309, 58.6498,
9.4110

 81.8078, 80.0604,
105.7492

 85.1421, 81.7793,
105.9053

 86.2166, 82.3332,
105.9555

Harmonies

Analogous

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



61.1400, 65.9555, 26.1330



51.3398, 65.9555, 31.8546



45.2072, 65.9555, 48.1012

Triad

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



51.3398, 65.9555, 31.8546



53.7441, 65.9555, 143.0131



86.7646, 65.9555, 67.4340

Complementary

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



51.3398, 65.9555, 31.8546



38.6392, 30.5986, 75.1075

Split Complementary

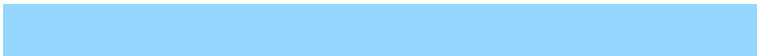
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.1799, 65.9555, 102.2658



51.3398, 65.9555, 31.8546



64.2634, 65.9555, 152.7562

Square

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



51.3398, 65.9555, 31.8546



46.4747, 65.9555, 112.3879



75.5978, 65.9555, 136.0498



82.2933, 65.9555, 42.4112

Rectangle

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



51.3398, 65.9555, 31.8546



43.5813, 65.9555, 65.6992



75.5978, 65.9555, 136.0498



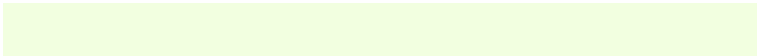
86.6954, 65.9555, 78.2976

Sweetspot

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



51.3414, 65.9584, 31.8560



85.9440, 95.8303, 84.7731



49.7344, 46.7073, 28.2249



18.1972, 20.4205, 17.6346



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.



51.3414, 65.9584, 31.8560



63.8528, 85.5560, 33.3985



41.8653, 61.0733, 31.4125



14.2873, 15.7283, 14.5896



21.0129, 33.8650, 5.4291



1.5579, 2.3996, 0.3811

Inverse Universe

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



38.6392, 30.5986, 75.1075



44.7538, 32.3487, 98.4929



50.5341, 36.7306, 75.6642



13.4941, 13.5227, 17.2866



10.6396, 4.5802, 41.3717



0.8379, 0.3692, 2.8724

Previews

White Background



This preview shows how the XYZ color 51.3398, 65.9555, 31.8546 looks on a white background.

Color Contrast Check

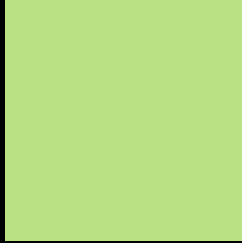
Large Text (above 18pt) WCAG AA × Fail

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 51.3398, 65.9555, 31.8546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

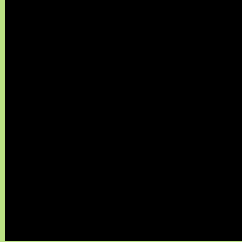
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3398, 65.9555, 31.8546

Background



This preview shows how black text looks on a background with the XYZ color 51.3398, 65.9555, 31.8546.

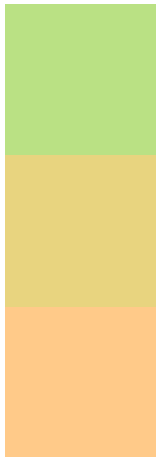


This preview shows how white text looks on a background with the XYZ color 51.3398, 65.9555,

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

51.3398, 65.9555, 31.8546

Protanopia

60.6530, 65.7751, 29.5778

Deuteranopia

66.8759, 65.3072, 32.7477



Tritanopia

61.8966, 65.5810, 84.2590

Trichromacy



Original Color

51.3398, 65.9555, 31.8546

Protanomaly

56.7996, 65.6578, 30.4484

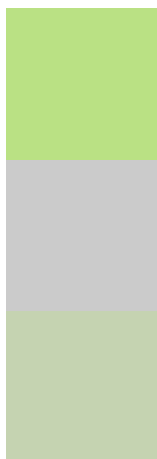
Deuteranomaly

60.0529, 64.6655, 32.2382

Tritanomaly

57.0561, 65.1229, 60.6017

Monochromacy



Original Color

51.3398, 65.9555, 31.8546

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

54.2560, 61.6332, 50.6318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3398, 65.9555, 31.8546 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, 225, 132)` looks like.

```
.text, #text, p{  
    color:rgb(186, 225, 132)  
}
```

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, 225, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 225, 132) }
```

Border

The CSS property to change the border of an element to XYZ 51.3398, 65.9555, 31.8546 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, 225, 132) }
```


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

```
.border{ border-color:rgb(186, 225, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 225, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(186, 225, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(186, 225, 132); box-shadow:4px 4px 4px 4px rgb(186, 225, 132) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3398, 65.9555, 31.8546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 225, 132) }
```

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

```
.background{ background-color: rgb(186,  
225, 132) }
```

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](#).

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