

Converting Colors

XYZ(48.4797, 63.4689, 20.6165)

Have a look what the booklet for
XYZ(48.4797, 63.4689, 20.6165)
contains.

XYZ(48.4365, 63.5079, 20.5318)	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(48.4365, 63.5079,
20.5318)**

Conversions

Conversions Part 1

Format	Color
Hex	BADE5F
RGB	186, 222, 95
RGB Percent	73%, 87%, 37%
CMY	0.2706, 0.1294, 0.6274
CMYK	0.16, 0.00, 0.57, 0.13
HSL	77°, 66%, 62%
HSV	77°, 57%, 87%
XYZ	48.4365, 63.5079, 20.5318
YIQ	196.7580, 19.3110, -47.1290

Conversions

Conversions Part 2

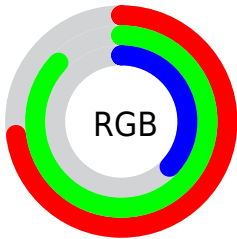
Format	Color
RYB	95, 222, 131
Decimal	12246623
CIELab	83.71, -30.40, 57.22
CIELCh	84, 64.799, 117.983
Yxy	63.5079, 0.3656, 0.4794
Android (android.graphics.Color)	4290436703 (0xFFBADE5F)
YUV	196.7580, -50.1667, -9.4348
Hunter-Lab	79.6918, -30.9689, 40.5088

Details

The XYZ color **48.4365, 63.5079, 20.5318** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **26.6396, 18.2853, 71.2364**, and the grayscale version is **53.2112, 55.9824, 60.9648**.

A 20% lighter version of the original color is **78.4930, 92.9230, 42.2327**, and **23.4076, 32.5365, 7.0539** is the 20% darker color. If you saturate the color by 10%, you get **46.0727, 62.3918, 15.8837**, and if you desaturate by 10%, it is **51.1582, 64.7794, 26.6999**.

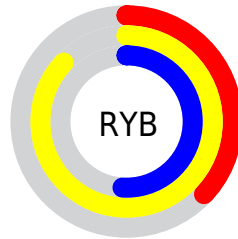
Distribution



Red (73%)

Green (87%)

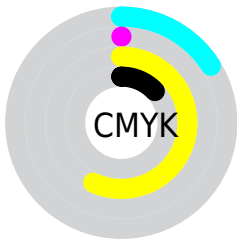
Blue (37%)



Red (37%)

Yellow (87%)

Blue (51%)

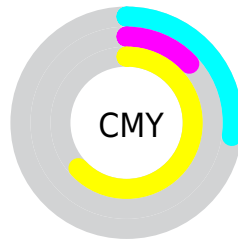


Cyan (16%)

Magenta (0%)

Yellow (57%)

Black (13%)



Cyan (27%)

Magenta (13%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4365, 63.5079, 20.5318 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 48.4365, 63.5079, 20.5318 by changing the saturation by 10% instead.

■ 48.4365, 63.5079,
20.5318

■ 48.4365, 63.5079,
20.5318

371.0736,
437.4104, 267.4785

■ 34.3854, 46.2522,
12.5943

■ 87.0597, 109.9019,
45.1776

■ 23.3541, 32.4449,
7.0224

■ 112.3625,
139.8091, 62.7230

■ 14.9773, 21.7015,
3.3974

■ 142.1466,
174.7021, 84.3082

■ 8.8897, 13.6378,
1.3010

■ 176.7773,
214.9655, 110.3516

■ 4.7258, 7.8692,
0.0626

216.6200,
260.9837, 141.2718

■ 2.1204, 4.0113,
0.0000

262.0401,

■ 0.7003, 1.6799,

313.1409, 177.4873

0.0000

313.4028,
371.8217, 219.4167

0.0000, 0.4106,
0.0000

0.0000, 0.0000,
0.0000

48.4365, 63.5079,
20.5318

48.4365, 63.5079,
20.5318

46.0727, 62.3918,
15.8837

51.1582, 64.7794,
26.6999

44.0363, 61.4122,
12.6190


54.2564, 66.2071,
34.5010


42.2984, 60.5595,
10.5838


57.7534, 67.8023,
44.0419


40.8191, 59.8177,
9.5727


61.6683, 69.5728,
55.4193


 40.4338, 59.6230,
9.3773

 66.0191, 71.5257,
68.7227

 70.8222, 73.6679,
84.0359

 76.0935, 76.0056,
101.4376

 78.8816, 77.3585,
105.3819

 81.0126, 78.4571,
105.4816

Harmonies

Analogous

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



61.3286, 63.5079, 16.7448



48.4365, 63.5079, 20.5318



40.0457, 63.5079, 35.4256

Triad

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



48.4365, 63.5079, 20.5318



47.0132, 63.5079, 158.8958



91.9665, 63.5079, 71.9385

Complementary

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



48.4365, 63.5079, 20.5318



26.6396, 18.2853, 71.2364

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.



86.5979, 63.5079, 119.4425



48.4365, 63.5079, 20.5318



59.4063, 63.5079, 180.4288

Square

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



48.4365, 63.5079, 20.5318



39.3191, 63.5079, 112.7097



74.1008, 63.5079, 163.7372



87.8262, 63.5079, 38.5665

Rectangle

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



48.4365, 63.5079, 20.5318



37.4021, 63.5079, 54.1130



74.1008, 63.5079, 163.7372



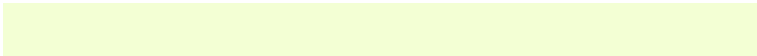
91.1988, 63.5079, 86.7410

Sweetspot

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



48.4380, 63.5107, 20.5331



84.4617, 95.2589, 75.9913



40.3062, 32.5859, 14.9926



17.8357, 20.2800, 15.5448



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.



48.4380, 63.5107, 20.5331



62.3823, 85.0810, 20.5411



36.2884, 57.2474, 19.9646



14.4733, 15.8241, 14.5983



24.1296, 35.4718, 5.5750



1.7589, 2.5032, 0.3905

Inverse Universe

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



26.6396, 18.2853, 71.2364



29.8927, 17.4811, 96.4064



39.6517, 24.9933, 71.8453



13.3151, 13.4305, 17.2782



9.1412, 3.8077, 41.3015



0.7199, 0.3084, 2.8668

Previews

White Background



This preview shows how the XYZ color 48.4365, 63.5079, 20.5318 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 48.4365, 63.5079, 20.5318 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 48.4365, 63.5079, 20.5318

Background



This preview shows how black text looks on a background with the XYZ color 48.4365, 63.5079, 20.5318.



This preview shows how white text looks on a background with the XYZ color 48.4365, 63.5079,

20.5318.

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

48.4365, 63.5079, 20.5318

Protanopia

57.3992, 62.8560, 19.0047

Deuteranopia

64.3173, 63.1684, 22.7127



Tritanopia

60.2339, 62.9655, 80.2131

Trichromacy



Original Color

48.4365, 63.5079, 20.5318

Protanomaly

53.7503, 62.8083, 19.4155

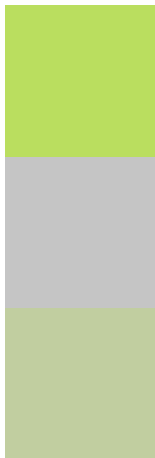
Deuteranomaly

57.3941, 62.4279, 21.8568

Tritanomaly

54.5951, 62.5386, 51.3132

Monochromacy



Original Color

48.4365, 63.5079, 20.5318

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

50.4088, 58.0181, 41.7995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4365, 63.5079, 20.5318 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, 222, 95)` looks like.

```
.text, #text, p{  
    color:rgb(186, 222, 95)  
}
```

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, 222, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 222, 95) }
```

Border

The CSS property to change the border of an element to XYZ 48.4365, 63.5079, 20.5318 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, 222, 95) }
```


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

```
.border{ border-color:rgb(186, 222, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 222, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 222, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 222, 95);  
box-shadow:4px 4px 4px 4px rgb(186, 222,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4365, 63.5079, 20.5318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 222, 95) }
```

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

```
.background{ background-color: rgb(186,  
222, 95) }
```

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