

Converting Colors

XYZ(47.5061, 58.5846, 30.9223)

Have a look what the booklet for
XYZ(47.5061, 58.5846, 30.9223)
contains.

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Color

**XYZ(47.5355, 58.5963,
30.9951)**

Conversions

Conversions Part 1

Format	Color
Hex	B9D385
RGB	185, 211, 133
RGB Percent	73%, 83%, 52%
CMY	0.2745, 0.1725, 0.4784
CMYK	0.12, 0.00, 0.37, 0.17
HSL	80°, 47%, 67%
HSV	80°, 37%, 83%
XYZ	47.5355, 58.5963, 30.9951
YIQ	194.3340, 9.5420, -29.7700

Conversions

Conversions Part 2

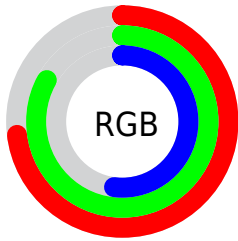
Format	Color
RYB	133, 211, 159
Decimal	12178309
CIELab	81.07, -21.52, 35.80
CIELCh	81, 41.765, 121.012
Yxy	58.5963, 0.3467, 0.4273
Android (android.graphics.Color)	4290368389 (0xFFB9D385)
YUV	194.3340, -30.2377, -8.1859
Hunter-Lab	76.5482, -23.1131, 29.5767

Details

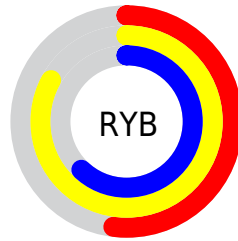
The XYZ color **47.5355, 58.5963, 30.9951** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **34.4458, 28.8507, 65.3846**, and the grayscale version is **51.6470, 54.3367, 59.1727**.

A 20% lighter version of the original color is **81.3476, 93.9851, 60.8672**, and **22.7715, 29.2114, 12.4208** is the 20% darker color. If you saturate the color by 10%, you get **44.5669, 57.2196, 23.9961**, and if you desaturate by 10%, it is **50.8839, 60.1386, 39.5428**.

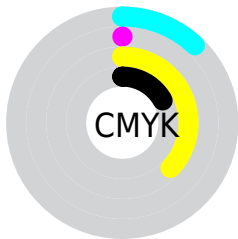
Distribution



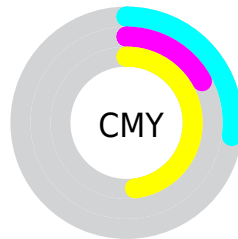
- Red (73%)
- Green (83%)
- Blue (52%)



- Red (52%)
- Yellow (83%)
- Blue (62%)



- Cyan (12%)
- Magenta (0%)
- Yellow (37%)
- Black (17%)



- Cyan (27%)
- Magenta (17%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5355, 58.5963, 30.9951 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 47.5355, 58.5963, 30.9951 by changing the saturation by 10% instead.

■ 47.5355, 58.5963,
30.9951

■ 47.5355, 58.5963,
30.9951

367.5613,
419.4042, 320.8662

■ 33.6689, 42.2882,
20.3367

■ 85.7263, 102.7907,
62.3118

■ 22.8010, 29.3270,
12.4535

■ 110.7812,
131.4458, 83.8073

■ 14.5666, 19.3284,
6.9271

■ 140.2963,
164.9854, 109.7521

■ 8.6001, 11.9078,
3.3388

174.6368,
203.7939, 140.5648

■ 4.5363, 6.6809,
1.2701

214.1683,
248.2556, 176.6641

■ 2.0098, 3.2634,
0.0371

259.2559,

■ 0.6394, 1.2707,

298.7549, 218.4684

0.0000

310.2652,
355.6764, 266.3963

■ 0.0000, 0.1184,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.5355, 58.5963,
30.9951

■ 47.5355, 58.5963,
30.9951

■ 44.5669, 57.2196,
23.9961

■ 50.8839, 60.1386,
39.5428

■ 41.9549, 55.9932,
18.4491


■ 54.6250, 61.8458,
49.7206


■ 39.6801, 54.9110,
14.2525


■ 58.7764, 63.7271,
61.6087


■ 37.7192, 53.9637,
11.2897


■ 63.3533, 65.7887,
75.2811


 36.0452, 53.1402,
9.4248


 68.3700, 68.0365,
90.8071


 34.6225, 52.4263,
8.4782

 73.0896, 70.1757,
104.3008

 34.2222, 52.2240,
8.2765

 75.3567, 71.3445,
104.4069

 77.7157, 72.5605,
104.5173

 80.1673, 73.8244,
104.6320

Harmonies

Analogous

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



55.4001, 58.5963, 26.9686



47.5355, 58.5963, 30.9951



42.3420, 58.5963, 43.3395

Triad

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



47.5355, 58.5963, 30.9951



47.9959, 58.5963, 115.3667



74.0894, 58.5963, 62.9618

Complementary

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



47.5355, 58.5963, 30.9951



34.4458, 28.8507, 65.3846

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.



71.5938, 58.5963, 89.8625



47.5355, 58.5963, 30.9951



55.9890, 58.5963, 124.4668

Square

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



47.5355, 58.5963, 30.9951



42.5877, 58.5963, 91.7104



64.7364, 58.5963, 114.1195



71.2462, 58.5963, 42.2205

Rectangle

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



47.5355, 58.5963, 30.9951



40.7914, 58.5963, 56.6260



64.7364, 58.5963, 114.1195



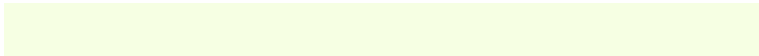
73.8451, 58.5963, 71.5587

Sweetspot

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



47.5370, 58.5989, 30.9964



87.5011, 96.5926, 86.6693



43.4979, 40.3405, 27.6850



18.5416, 20.5900, 18.0143



0.0000, 0.0000, 0.0000



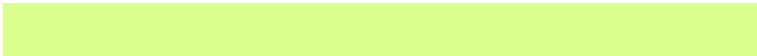
20.3446, 21.4041, 23.3091

Same Dimension

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



47.5370, 58.5989, 30.9964



69.4951, 88.3401, 39.2958



39.3839, 54.3958, 30.6148



12.4046, 13.5920, 12.5818



20.7646, 31.5735, 4.9999



1.2433, 1.8078, 0.2834

Inverse Universe

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



34.4458, 28.8507, 65.3846



46.7127, 36.5329, 99.1973



43.4363, 33.4855, 65.8054



11.5297, 11.6064, 14.8762



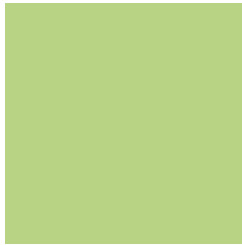
8.7328, 3.6822, 37.4430



0.5717, 0.2489, 2.0975

Previews

White Background



This preview shows how the XYZ color 47.5355, 58.5963, 30.9951 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 47.5355, 58.5963, 30.9951 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

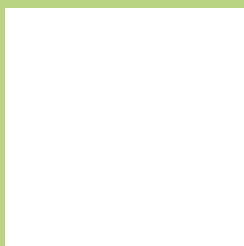
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.5355, 58.5963, 30.9951

Background



This preview shows how black text looks on a background with the XYZ color 47.5355, 58.5963, 30.9951.



This preview shows how white text looks on a background with the XYZ color 47.5355, 58.5963,

30.9951.

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

47.5355, 58.5963, 30.9951

Protanopia

54.0625, 58.4183, 29.1953

Deuteranopia

59.3002, 58.0307, 31.7425



Tritanopia

56.1760, 58.5188, 73.9801

Trichromacy



Original Color

47.5355, 58.5963, 30.9951

Protanomaly

51.5927, 58.5397, 29.6992

Deuteranomaly

54.3826, 57.8401, 31.5905

Tritanomaly

52.4325, 58.4143, 54.9660

Monochromacy



Original Color

47.5355, 58.5963, 30.9951

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.5865, 55.3635, 47.1025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5355, 58.5963, 30.9951 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(185, 211, 133)` looks like.

```
.text, #text, p{  
    color:rgb(185, 211, 133)  
}
```

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(185, 211, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 211, 133) }
```

Border

The CSS property to change the border of an element to XYZ 47.5355, 58.5963, 30.9951 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(185, 211, 133) }
```


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

```
.border{ border-color:rgb(185, 211, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 211, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 211, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 211, 133);  
box-shadow:4px 4px 4px 4px rgb(185, 211,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5355, 58.5963, 30.9951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 211, 133) }
```

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

```
.background{ background-color: rgb(185,  
211, 133) }
```

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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