

Converting Colors

Yxy(51.2032, 0.4548, 0.4505)

Have a look what the booklet for
Yxy(51.2032, 0.4548, 0.4505)
contains.

Yxy(50.9858, 0.4547, 0.4504)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.9858, 0.4547, 0.4504)

Conversions

Conversions Part 1

Format	Color
Hex	EBB537
RGB	235, 181, 55
RGB Percent	92%, 71%, 22%
CMY	0.0785, 0.2902, 0.7843
CMYK	0.00, 0.23, 0.77, 0.08
HSL	42°, 82%, 57%
HSV	42°, 77%, 92%
XYZ	51.4726, 50.9858, 10.7428
YIQ	182.7820, 72.6300, -27.7380

Conversions

Conversions Part 2

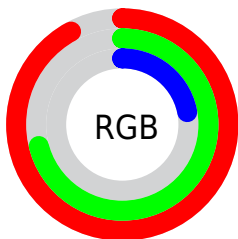
Format	Color
RYB	132, 235, 55
Decimal	15447351
CIELab	76.67, 8.11, 67.36
CIELCh	77, 67.847, 83.135
Yxy	50.9858, 0.4547, 0.4504
Android (android.graphics.Color)	4293637431 (0xFFEBB537)
YUV	182.7820, -62.9965, 45.7952
Hunter-Lab	71.4043, 3.7160, 41.0629

Details

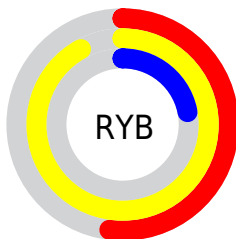
The Yxy color **50.9858, 0.4547, 0.4504** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **17.7444, 0.1827, 0.1471**, and the grayscale version is **47.5517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9761, 0.4032, 0.4497**, and **24.8145, 0.4746, 0.4613** is the 20% darker color. If you saturate the color by 10%, you get **48.0197, 0.4699, 0.4545**, and if you desaturate by 10%, it is **54.2091, 0.4369, 0.4415**.

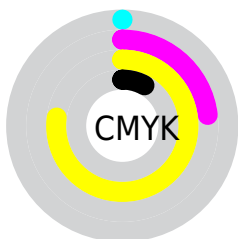
Distribution



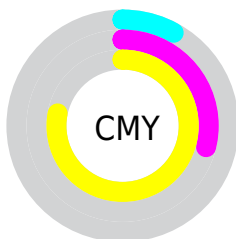
- Red (92%)
- Green (71%)
- Blue (22%)



- Red (52%)
- Yellow (92%)
- Blue (22%)



- Cyan (0%)
- Magenta (23%)
- Yellow (77%)
- Black (8%)





- Cyan (8%)
- Magenta (29%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9858, 0.4547, 0.4504 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 Yxy color 50.9858, 0.4547, 0.4504 by changing the saturation by 10% instead.

 50.9858, 0.4547,
0.4504

 50.9858, 0.4547,
0.4504

390.5086, 0.3906,
0.3985

 36.1973, 0.4672,
0.4594


 91.6338, 0.4338,
0.4343

 24.5866, 0.4809,
0.4686


 118.2621, 0.4252,
0.4274


 15.7693, 0.4954,
0.4769


 149.6057, 0.4177,
0.4213

 9.3611, 0.5136,
0.4864

 186.0492, 0.4110,
0.4157

 4.9774, 0.5197,
0.4803

 227.9768, 0.4050,
0.4107

 2.2340, 0.5293,
0.4707

275.7730, 0.3997,

 0.7385, 0.5496,

0.4063

0.4504

329.8221, 0.3949,
0.4022

0.0000, 0.0000,
0.0000

50.9858, 0.4547,
0.4504

50.9858, 0.4547,
0.4504

48.0197, 0.4699,
0.4545

54.2091, 0.4369,
0.4415

45.2842, 0.4819,
0.4536


57.6976, 0.4174,
0.4285


44.3955, 0.4856,
0.4526

61.4674, 0.3971,
0.4127

65.5305, 0.3770,
0.3951

69.8981, 0.3577,
0.3767

 74.5805, 0.3396,
0.3583

 79.5873, 0.3229,
0.3404

 84.9278, 0.3077,
0.3233

 89.8477, 0.3006,
0.3185

Harmonies

Analogous

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



50.9858, 0.4919, 0.3868



50.9858, 0.4547, 0.4504



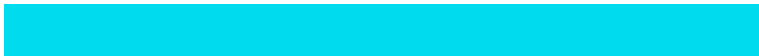
50.9858, 0.3826, 0.4953

Triad

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



50.9858, 0.4547, 0.4504



50.9858, 0.1730, 0.3030



50.9858, 0.3066, 0.2201

Complementary

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



50.9858, 0.4547, 0.4504



17.7444, 0.1827, 0.1471

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.



50.9858, 0.2271, 0.1968



50.9858, 0.4547, 0.4504



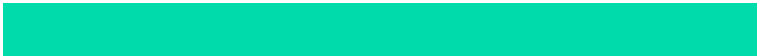
50.9858, 0.1599, 0.2322

Square

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



50.9858, 0.4547, 0.4504



50.9858, 0.2204, 0.4036



50.9858, 0.1780, 0.1991



50.9858, 0.4013, 0.2645

Rectangle

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



50.9858, 0.4547, 0.4504



50.9858, 0.3258, 0.4965



50.9858, 0.1780, 0.1991



50.9858, 0.2771, 0.2097

Sweetspot

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



50.9883, 0.4547, 0.4504



86.0673, 0.3512, 0.3703



21.4977, 0.5019, 0.2811



17.9941, 0.3580, 0.3770



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



50.9883, 0.4547, 0.4504



55.8588, 0.4773, 0.4546



71.8291, 0.3842, 0.5116



16.8199, 0.3275, 0.3454



24.9439, 0.4843, 0.4537



2.1257, 0.4731, 0.4625

Inverse Universe

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



17.7444, 0.1827, 0.1471



14.8144, 0.1657, 0.1112



10.9547, 0.1859, 0.0985



15.2854, 0.2980, 0.3120



6.0047, 0.1611, 0.1000



0.6345, 0.1687, 0.1272

Previews

White Background



This preview shows how the Yxy color 50.9858, 0.4547, 0.4504 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 Yxy color 50.9858, 0.4547, 0.4504 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](#).

Yxy 50.9858, 0.4547, 0.4504

Background



This preview shows how black text looks on a background with the Yxy color 50.9858, 0.4547, 0.4504.



This preview shows how white text looks on a background with the Yxy color 50.9858, 0.4547, 0.4504.

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

50.9858, 0.4547, 0.4504

Protanopia

51.1194, 0.4259, 0.4702

Deuteranopia

51.0955, 0.4582, 0.4479



Tritanopia

50.8080, 0.3694, 0.3149

Trichromacy



Original Color

50.9858, 0.4547, 0.4504

Protanomaly

51.0418, 0.4359, 0.4636

Deuteranomaly

50.9229, 0.4573, 0.4484

Tritanomaly

50.1900, 0.4081, 0.3702

Monochromacy



Original Color

50.9858, 0.4547, 0.4504

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.7900, 0.3688, 0.3872

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9858, 0.4547, 0.4504 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(235, 181, 55)` looks like.

```
.text, #text, p{  
    color:rgb(235, 181, 55)  
}
```

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(235, 181, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 181, 55) }
```

Border

The CSS property to change the border of an element to Yxy 50.9858, 0.4547, 0.4504 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(235, 181, 55) }
```

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

```
.border{ border-color:rgb(235, 181, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 181, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 181, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 181, 55);  
box-shadow:4px 4px 4px 4px rgb(235, 181,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9858, 0.4547, 0.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 181, 55) }
```

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

```
.background{ background-color: rgb(235,  
181, 55) }
```

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