

Converting Colors

$Yxy(48.6063, 0.4508, 0.4398)$

Have a look what the booklet for
Yxy(48.6063, 0.4508, 0.4398)
contains.

Yxy(48.6117, 0.4508, 0.4399)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.6117, 0.4508, 0.4399)

Conversions

Conversions Part 1

Format	Color
Hex	E8B043
RGB	232, 176, 67
RGB Percent	91%, 69%, 26%
CMY	0.0902, 0.3098, 0.7370
CMYK	0.00, 0.24, 0.71, 0.09
HSL	40°, 78%, 59%
HSV	40°, 71%, 91%
XYZ	49.8162, 48.6117, 12.0783
YIQ	180.3180, 68.3650, -22.0270

Conversions

Conversions Part 2

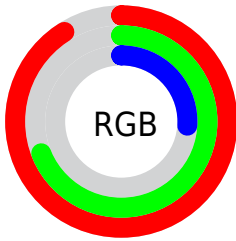
Format	Color
RYB	152, 232, 67
Decimal	15249475
CIELab	75.21, 9.99, 61.16
CIELCh	75, 61.970, 80.724
Yxy	48.6117, 0.4508, 0.4399
Android (android.graphics.Color)	4293439555 (0xFFE8B043)
YUV	180.3180, -55.8658, 45.3251
Hunter-Lab	69.7221, 5.5240, 38.5343

Details

The Yxy color **48.6117, 0.4508, 0.4399** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **21.2001, 0.1928, 0.1705**, and the grayscale version is **46.1052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7923, 0.4010, 0.4368**, and **23.1860, 0.4786, 0.4582** is the 20% darker color. If you saturate the color by 10%, you get **45.3896, 0.4693, 0.4461**, and if you desaturate by 10%, it is **52.1293, 0.4303, 0.4293**.

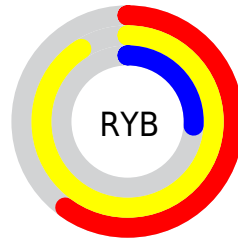
Distribution



Red (91%)

Green (69%)

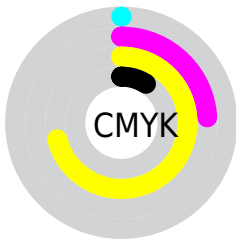
Blue (26%)



Red (60%)

Yellow (91%)

Blue (26%)

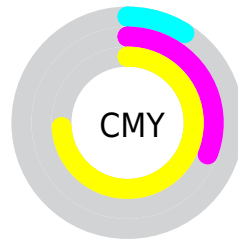


Cyan (0%)

Magenta (24%)

Yellow (71%)

Black (9%)



Cyan (9%)


Magenta (31%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6117, 0.4508, 0.4399 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 48.6117, 0.4508, 0.4399 by changing the saturation by 10% instead.


 48.6117, 0.4508,
0.4399


 48.6117, 0.4508,
0.4399


381.2117, 0.3866,
0.3916


 34.3116, 0.4640,
0.4487


 88.1145, 0.4293,
0.4246

 23.1330, 0.4791,
0.4579


 114.0859, 0.4207,
0.4182

 14.6918, 0.4957,
0.4665


 144.7165, 0.4131,
0.4124

 8.6034, 0.5205,
0.4795

 180.3907, 0.4065,
0.4073

 4.4834, 0.5283,
0.4717

 221.4930, 0.4006,
0.4027

 1.9475, 0.5409,
0.4591

268.4076, 0.3954,

 0.5767, 0.5787,

0.3986

0.4213

321.5190, 0.3908,
0.3949

0.0000, 0.0000,
0.0000

48.6117, 0.4508,
0.4399

48.6117, 0.4508,
0.4399

45.3896, 0.4693,
0.4461

52.1293, 0.4303,
0.4293

42.4385, 0.4849,
0.4471


55.9499, 0.4089,
0.4154

40.0156, 0.4962,
0.4442


60.0892, 0.3876,
0.3993

64.5593, 0.3671,
0.3820

69.3713, 0.3480,
0.3645

 74.5357, 0.3303,
0.3472

 80.0625, 0.3144,
0.3307

 85.9609, 0.3000,
0.3152

 90.8226, 0.2987,
0.3209

Harmonies

Analogous

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



48.6117, 0.4808, 0.3803



48.6117, 0.4508, 0.4399



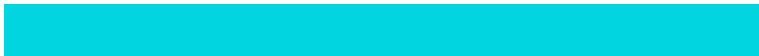
48.6117, 0.3857, 0.4821

Triad

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



48.6117, 0.4508, 0.4399



48.6117, 0.1841, 0.3125



48.6117, 0.3006, 0.2239

Complementary

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



48.6117, 0.4508, 0.4399



21.2001, 0.1928, 0.1705

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.



48.6117, 0.2278, 0.2037



48.6117, 0.4508, 0.4399



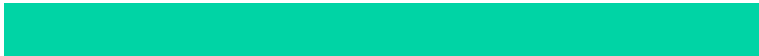
48.6117, 0.1686, 0.2431

Square

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



48.6117, 0.4508, 0.4399



48.6117, 0.2320, 0.4054



48.6117, 0.1834, 0.2085



48.6117, 0.3884, 0.2648

Rectangle

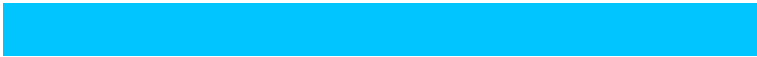
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.6117, 0.4508, 0.4399



48.6117, 0.3329, 0.4850



48.6117, 0.1834, 0.2085



48.6117, 0.2736, 0.2146

Sweetspot

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



48.6141, 0.4508, 0.4399



85.9641, 0.3480, 0.3645



22.6521, 0.4680, 0.2720



18.0363, 0.3532, 0.3694



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.



48.6141, 0.4508, 0.4399



54.6227, 0.4765, 0.4471



71.4145, 0.3886, 0.4985



15.9500, 0.3276, 0.3445



22.4598, 0.4947, 0.4454



1.8301, 0.4809, 0.4564

Inverse Universe

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



21.2001, 0.1928, 0.1705



19.1864, 0.1749, 0.1362



12.1139, 0.1895, 0.1095



14.6828, 0.2981, 0.3130



6.5284, 0.1639, 0.1099



0.6496, 0.1720, 0.1392

Previews

White Background



This preview shows how the Yxy color 48.6117, 0.4508, 0.4399 looks on a white background.

Color Contrast Check

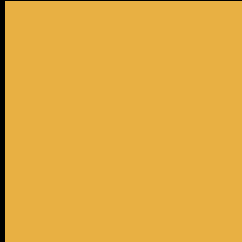
Large Text (above 18pt) WCAG AA × Fail

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 48.6117, 0.4508, 0.4399 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 48.6117, 0.4508, 0.4399

Background



This preview shows how black text looks on a background with the Yxy color 48.6117, 0.4508, 0.4399.



This preview shows how white text looks on a background with the Yxy color 48.6117, 0.4508, 0.4399.

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

48.6117, 0.4508, 0.4399

Protanopia

48.8254, 0.4184, 0.4602

Deuteranopia

48.4448, 0.4500, 0.4404



Tritanopia

48.6099, 0.3725, 0.3159

Trichromacy



Original Color

48.6117, 0.4508, 0.4399

Protanomaly

48.4845, 0.4304, 0.4524

Deuteranomaly

48.4448, 0.4500, 0.4404

Tritanomaly

48.1866, 0.4064, 0.3652

Monochromacy



Original Color

48.6117, 0.4508, 0.4399

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.2464, 0.3646, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6117, 0.4508, 0.4399 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(232, 176, 67)` looks like.

```
.text, #text, p{  
    color:rgb(232, 176, 67)  
}
```

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(232, 176, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 176, 67) }
```

Border

The CSS property to change the border of an element to Yxy 48.6117, 0.4508, 0.4399 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(232, 176, 67) }
```

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

```
.border{ border-color:rgb(232, 176, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 176, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 176, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 176, 67);  
box-shadow:4px 4px 4px 4px rgb(232, 176,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6117, 0.4508, 0.4399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 176, 67) }
```

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

```
.background{ background-color: rgb(232,  
176, 67) }
```

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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