

Converting Colors

$Yxy(48.6476, 0.3821, 0.4424)$

Have a look what the booklet for
Yxy(48.6476, 0.3821, 0.4424)
contains.

Yxy(48.6942, 0.3817, 0.4431)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.6942, 0.3817, 0.4431)

Conversions

Conversions Part 1

Format	Color
Hex	BEBE64
RGB	190, 190, 100
RGB Percent	75%, 75%, 39%
CMY	0.2550, 0.2549, 0.6077
CMYK	0.00, 0.00, 0.47, 0.25
HSL	60°, 41%, 57%
HSV	60°, 47%, 75%
XYZ	41.9467, 48.6942, 19.2535
YIQ	179.7400, 28.8900, -27.9900

Conversions

Conversions Part 2

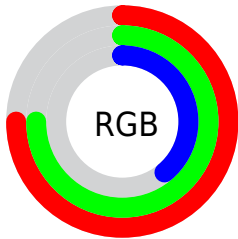
Format	Color
R_{YB}	100, 190, 100
Decimal	12500580
CIE _{Lab}	75.26, -12.69, 45.09
CIE _{LCh}	75, 46.840, 105.717
Yxy	48.6942, 0.3817, 0.4431
Android (android.graphics.Color)	4290690660 (0xFFBEBE64)
YUV	179.7400, -39.3118, 8.9980
Hunter-Lab	69.7812, -14.8178, 32.4880

Details

The Yxy color **48.6942, 0.3817, 0.4431** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **15.5527, 0.2239, 0.1821**, and the grayscale version is **45.6997, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1679, 0.3710, 0.4225**, and **23.2640, 0.3968, 0.4736** is the 20% darker color. If you saturate the color by 10%, you get **48.3694, 0.3937, 0.4630**, and if you desaturate by 10%, it is **49.1092, 0.3681, 0.4206**.

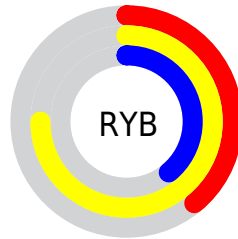
Distribution



Red (75%)

Green (75%)

Blue (39%)



Red (39%)

Yellow (75%)

Blue (39%)

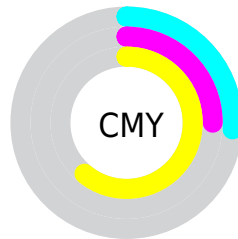


Cyan (0%)

Magenta (0%)

Yellow (47%)

Black (25%)



Cyan (26%)


Magenta (25%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.6942, 0.3817, 0.4431 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 48.6942, 0.3817, 0.4431 by changing the saturation by 10% instead.


 48.6942, 0.3817,
0.4431


 48.6942, 0.3817,
0.4431


381.5372, 0.3498,
0.3865

 34.3770, 0.3884,
0.4565


 88.2371, 0.3709,
0.4229


 23.1833, 0.3962,
0.4731


 114.2316, 0.3666,
0.4152

 14.7289, 0.4049,
0.4939


 144.8872, 0.3629,
0.4087

 8.6294, 0.4137,
0.5198

 180.5885, 0.3596,
0.4030

 4.5002, 0.4322,
0.5678

221.7197, 0.3567,
0.3981

 1.9571, 0.4140,
0.5860

268.6653, 0.3541,

 0.5824, 0.2951,

0.3937

0.7049

321.8097, 0.3518,
0.3899

0.0000, 0.0000,
0.0000

48.6942, 0.3817,
0.4431

48.6942, 0.3817,
0.4431

48.3694, 0.3937,
0.4630

49.1092, 0.3681,
0.4206

48.1222, 0.4037,
0.4795

49.6133, 0.3535,
0.3964

47.9479, 0.4112,
0.4920


50.2137, 0.3384,
0.3715

47.8385, 0.4162,
0.5002

50.9150, 0.3235,
0.3468


47.7827, 0.4187,
0.5044

51.7216, 0.3089,
0.3227

 47.7715, 0.4193,
0.5053

 52.6376, 0.2951,
0.2999

 53.6668, 0.2822,
0.2786

 54.8130, 0.2703,
0.2589

 55.0027, 0.2685,
0.2560

Harmonies

Analogous

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



48.6942, 0.4268, 0.4117



48.6942, 0.3817, 0.4431



48.6942, 0.3207, 0.4408

Triad

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



48.6942, 0.3817, 0.4431



48.6942, 0.1993, 0.2720



48.6942, 0.3598, 0.2728

Complementary

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



48.6942, 0.3817, 0.4431



15.5527, 0.2239, 0.1821

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.



48.6942, 0.2939, 0.2419



48.6942, 0.3817, 0.4431



48.6942, 0.2070, 0.2382

Square

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



48.6942, 0.3817, 0.4431



48.6942, 0.2174, 0.3296



48.6942, 0.2396, 0.2291



48.6942, 0.4162, 0.3162

Rectangle

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



48.6942, 0.3817, 0.4431



48.6942, 0.2795, 0.4151



48.6942, 0.2396, 0.2291



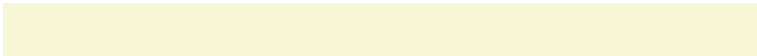
48.6942, 0.3377, 0.2608

Sweetspot

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



48.6964, 0.3817, 0.4431



91.3616, 0.3337, 0.3638



20.9907, 0.4409, 0.3294



20.0038, 0.3370, 0.3692



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



48.6964, 0.3817, 0.4431



87.6135, 0.3944, 0.4641



43.7737, 0.3411, 0.4609



11.1204, 0.3264, 0.3517



31.7619, 0.4193, 0.5053



1.2442, 0.4193, 0.5053

Inverse Universe

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



15.5527, 0.2239, 0.1821



20.2087, 0.2017, 0.1455



18.8615, 0.2676, 0.1977



9.2255, 0.2984, 0.3053



2.4724, 0.1500, 0.0600



0.0969, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 48.6942, 0.3817, 0.4431 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 48.6942, 0.3817, 0.4431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

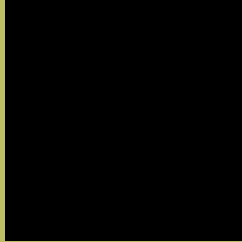
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.6942, 0.3817, 0.4431

Background



This preview shows how black text looks on a background with the Yxy color 48.6942, 0.3817, 0.4431.



This preview shows how white text looks on a background with the Yxy color 48.6942, 0.3817, 0.4431.

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

48.6942, 0.3817, 0.4431

Protanopia

48.4171, 0.3990, 0.4345

Deuteranopia

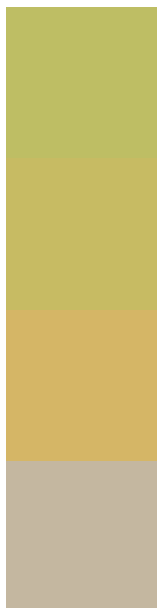
48.5923, 0.4208, 0.4128



Tritanopia

48.4146, 0.3187, 0.3106

Trichromacy



Original Color

48.6942, 0.3817, 0.4431

Protanomaly

48.5836, 0.3924, 0.4375

Deuteranomaly

48.5613, 0.4063, 0.4237

Tritanomaly

48.1408, 0.3428, 0.3584

Monochromacy



Original Color

48.6942, 0.3817, 0.4431

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.7057, 0.3393, 0.3729

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6942, 0.3817, 0.4431 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(190, 190, 100)` looks like.

```
.text, #text, p{  
    color:rgb(190, 190, 100)  
}
```

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(190, 190, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 190, 100) }
```

Border

The CSS property to change the border of an element to Yxy 48.6942, 0.3817, 0.4431 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(190, 190, 100) }
```

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

```
.border{ border-color:rgb(190, 190, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 190, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 190, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 190, 100);  
box-shadow:4px 4px 4px 4px rgb(190, 190,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6942, 0.3817, 0.4431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 190, 100) }
```

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

```
.background{ background-color: rgb(190,  
190, 100) }
```

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