

Converting Colors

$Yxy(48.4432, 0.3675, 0.4421)$

Have a look what the booklet for
Yxy(48.4432, 0.3675, 0.4421)
contains.

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Color

Yxy(48.4432, 0.3675, 0.4421)

Conversions

Conversions Part 1

Format	Color
Hex	B4C06A
RGB	180, 192, 106
RGB Percent	71%, 75%, 42%
CMY	0.2942, 0.2470, 0.5843
CMYK	0.06, 0.00, 0.45, 0.25
HSL	68°, 41%, 58%
HSV	68°, 45%, 75%
XYZ	40.2689, 48.4432, 20.8631
YIQ	178.6080, 20.4540, -29.2900

Conversions

Conversions Part 2

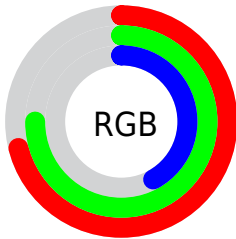
Format	Color
RYB	106, 192, 118
Decimal	11845738
CIELab	75.10, -17.16, 41.77
CIELCh	75, 45.159, 112.327
Yxy	48.4432, 0.3675, 0.4421
Android (android.graphics.Color)	4290035818 (0xFFB4C06A)
YUV	178.6080, -35.7957, 1.2208
Hunter-Lab	69.6011, -18.5279, 30.9485

Details

The Yxy color **48.4432, 0.3675, 0.4421** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **17.9687, 0.2400, 0.1947**, and the grayscale version is **45.0446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6425, 0.3591, 0.4210**, and **23.1864, 0.3788, 0.4734** is the 20% darker color. If you saturate the color by 10%, you get **47.7702, 0.3775, 0.4652**, and if you desaturate by 10%, it is **49.2162, 0.3561, 0.4171**.

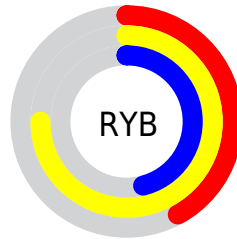
Distribution



Red (71%)

Green (75%)

Blue (42%)



Red (42%)

Yellow (75%)

Blue (46%)

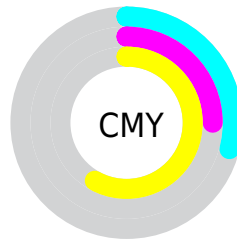


Cyan (6%)

Magenta (0%)

Yellow (45%)

Black (25%)



Cyan (29%)


Magenta (25%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.4432, 0.3675, 0.4421 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 48.4432, 0.3675, 0.4421 by changing the saturation by 10% instead.


 48.4432, 0.3675,
0.4421


 48.4432, 0.3675,
0.4421


380.5462, 0.3424,
0.3851


 34.1780, 0.3727,
0.4560


 87.8639, 0.3591,
0.4215


 23.0304, 0.3787,
0.4736


 113.7882, 0.3557,
0.4137

 14.6159, 0.3852,
0.4961


 144.3677, 0.3528,
0.4071

 8.5503, 0.3915,
0.5253

 179.9867, 0.3502,
0.4014

 4.4490, 0.4062,
0.5801

221.0297, 0.3479,
0.3965

 1.9278, 0.3866,
0.6134

267.8810, 0.3459,

 0.5650, 0.1730,

0.3922

0.8270

320.9250, 0.3440,
0.3884

0.0000, 0.0000,
0.0000

48.4432, 0.3675,
0.4421

48.4432, 0.3675,
0.4421

47.7702, 0.3775,
0.4652

49.2162, 0.3561,
0.4171

47.1847, 0.3855,
0.4855

50.0883, 0.3438,
0.3913

46.6819, 0.3913,
0.5019


51.0666, 0.3312,
0.3656

46.2541, 0.3944,
0.5141


52.1560, 0.3186,
0.3406

45.8916, 0.3951,
0.5218

53.3608, 0.3064,
0.3168

 45.7187, 0.3948,
0.5247

 54.6852, 0.2948,
0.2946

 56.1331, 0.2839,
0.2741

 57.4079, 0.2766,
0.2598

 57.7848, 0.2784,
0.2601

Harmonies

Analogous

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



48.4432, 0.4158, 0.4179



48.4432, 0.3675, 0.4421



48.4432, 0.3072, 0.4304

Triad

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



48.4432, 0.3675, 0.4421



48.4432, 0.2022, 0.2647



48.4432, 0.3719, 0.2830

Complementary

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



48.4432, 0.3675, 0.4421



17.9687, 0.2400, 0.1947

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.



48.4432, 0.3083, 0.2498



48.4432, 0.3675, 0.4421



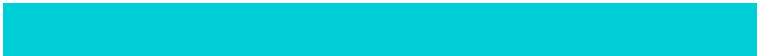
48.4432, 0.2152, 0.2371

Square

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



48.4432, 0.3675, 0.4421



48.4432, 0.2144, 0.3160



48.4432, 0.2519, 0.2331



48.4432, 0.4211, 0.3271

Rectangle

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



48.4432, 0.3675, 0.4421



48.4432, 0.2685, 0.4002



48.4432, 0.2519, 0.2331



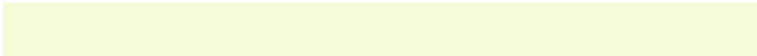
48.4432, 0.3511, 0.2704

Sweetspot

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



48.4454, 0.3675, 0.4421



92.8164, 0.3292, 0.3616



25.0807, 0.4231, 0.3450



19.8223, 0.3320, 0.3672



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.



48.4454, 0.3675, 0.4421



86.5368, 0.3775, 0.4654



44.1092, 0.3304, 0.4574



11.6846, 0.3244, 0.3519



30.7849, 0.3951, 0.5245



1.3502, 0.4009, 0.5199

Inverse Universe

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



17.9687, 0.2400, 0.1947



24.2022, 0.2202, 0.1606



21.6370, 0.2830, 0.2092



9.8141, 0.3004, 0.3053



2.7370, 0.1561, 0.0633



0.1406, 0.1730, 0.0727

Previews

White Background



This preview shows how the Yxy color 48.4432, 0.3675, 0.4421 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 48.4432, 0.3675, 0.4421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

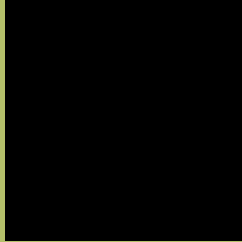
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4432, 0.3675, 0.4421

Background



This preview shows how black text looks on a background with the Yxy color 48.4432, 0.3675, 0.4421.



This preview shows how white text looks on a background with the Yxy color 48.4432, 0.3675, 0.4421.

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

48.4432, 0.3675, 0.4421

Protanopia

48.3737, 0.3945, 0.4295

Deuteranopia

48.0238, 0.4140, 0.4051



Tritanopia

48.5178, 0.3093, 0.3115

Trichromacy



Original Color

48.4432, 0.3675, 0.4421

Protanomaly

48.5680, 0.3846, 0.4346

Deuteranomaly

47.9699, 0.3963, 0.4179

Tritanomaly

48.3270, 0.3318, 0.3590

Monochromacy



Original Color

48.4432, 0.3675, 0.4421

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.1317, 0.3340, 0.3722

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4432, 0.3675, 0.4421 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(180, 192, 106)` looks like.

```
.text, #text, p{  
    color:rgb(180, 192, 106)  
}
```

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(180, 192, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 192, 106) }
```

Border

The CSS property to change the border of an element to Yxy 48.4432, 0.3675, 0.4421 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(180, 192, 106) }
```

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

```
.border{ border-color:rgb(180, 192, 106) }
```

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

Here you see how a box with a 4 pixel rgb(180, 192, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 192, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 192, 106);  
box-shadow:4px 4px 4px 4px rgb(180, 192,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4432, 0.3675, 0.4421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 192, 106) }
```

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

```
.background{ background-color: rgb(180,  
192, 106) }
```

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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