

Converting Colors

$Yxy(47.8813, 0.3987, 0.4803)$

Have a look what the booklet for
Yxy(47.8813, 0.3987, 0.4803)
contains.

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Color

Yxy(48.0709, 0.3984, 0.4812)

Conversions

Conversions Part 1

Format	Color
Hex	BABF40
RGB	186, 191, 64
RGB Percent	73%, 75%, 25%
CMY	0.2707, 0.2509, 0.7491
CMYK	0.03, 0.00, 0.67, 0.25
HSL	62°, 50%, 50%
HSV	62°, 67%, 75%
XYZ	39.7993, 48.0709, 12.0277
YIQ	175.0270, 37.7870, -40.5570

Conversions

Conversions Part 2

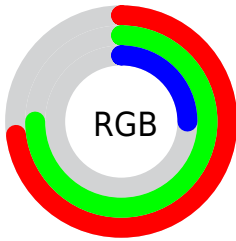
Format	Color
RYB	64, 191, 69
Decimal	12238656
CIELab	74.87, -17.61, 60.71
CIELCh	75, 63.212, 106.178
Yxy	48.0709, 0.3984, 0.4812
Android (android.graphics.Color)	4290428736 (0xFFBABF40)
YUV	175.0270, -54.7363, 9.6233
Hunter-Lab	69.3332, -18.8687, 38.2478

Details

The Yxy color **48.0709, 0.3984, 0.4812** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **8.6930, 0.1885, 0.1197**, and the grayscale version is **43.1563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2420, 0.3874, 0.4556**, and **22.9228, 0.4095, 0.5131** is the 20% darker color. If you saturate the color by 10%, you get **47.7969, 0.4054, 0.4948**, and if you desaturate by 10%, it is **48.4243, 0.3889, 0.4636**.

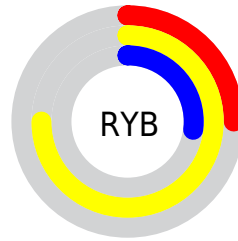
Distribution



Red (73%)

Green (75%)

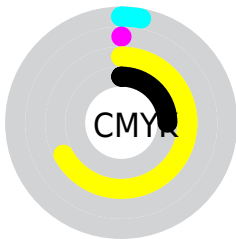
Blue (25%)



Red (25%)

Yellow (75%)

Blue (27%)

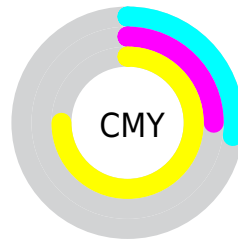


Cyan (3%)

Magenta (0%)

Yellow (67%)

Black (25%)



Cyan (27%)


Magenta (25%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0709, 0.3984, 0.4812 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 48.0709, 0.3984, 0.4812 by changing the saturation by 10% instead.


 48.0709, 0.3984,
0.4812


 48.0709, 0.3984,
0.4812


379.0731, 0.3613,
0.4071

 33.8830, 0.4049,
0.4976


 87.3100, 0.3868,
0.4555


 22.8038, 0.4112,
0.5170


 113.1299, 0.3819,
0.4455

 14.4487, 0.4164,
0.5396


 143.5961, 0.3775,
0.4368

 8.4334, 0.4251,
0.5749

 179.0928, 0.3735,
0.4293

 4.3735, 0.4093,
0.5907

 220.0045, 0.3700,
0.4227

 1.8846, 0.3830,
0.6170

266.7155, 0.3668,

 0.5391, 0.1326,

0.4169

0.8674

319.6102, 0.3639,
0.4117

0.0000, 0.0000,
0.0000

48.0709, 0.3984,
0.4812

48.0709, 0.3984,
0.4812

47.7969, 0.4054,
0.4948

48.4243, 0.3889,
0.4636

47.5876, 0.4099,
0.5042

48.8573, 0.3774,
0.4427

47.4349, 0.4120,
0.5094

49.3781, 0.3644,
0.4194

47.3876, 0.4124,
0.5107

49.9924, 0.3505,
0.3947

50.7050, 0.3361,
0.3696

■ 51.5208, 0.3218,
0.3447

■ 52.4440, 0.3079,
0.3208

■ 53.4789, 0.2948,
0.2981

■ 54.6293, 0.2824,
0.2770

Harmonies

Analogous

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



48.0709, 0.4610, 0.4330



48.0709, 0.3984, 0.4812



48.0709, 0.3178, 0.4847

Triad

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



48.0709, 0.3984, 0.4812



48.0709, 0.1661, 0.2494



48.0709, 0.3766, 0.2560

Complementary

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



48.0709, 0.3984, 0.4812



8.6930, 0.1885, 0.1197

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.



48.0709, 0.2874, 0.2173



48.0709, 0.3984, 0.4812



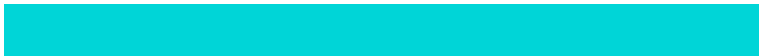
48.0709, 0.1767, 0.2092

Square

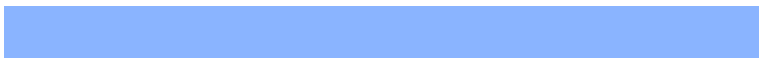
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



48.0709, 0.3984, 0.4812



48.0709, 0.1867, 0.3255



48.0709, 0.2172, 0.2003



48.0709, 0.4540, 0.3100

Rectangle

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



48.0709, 0.3984, 0.4812



48.0709, 0.2643, 0.4490



48.0709, 0.2172, 0.2003



48.0709, 0.3462, 0.2410

Sweetspot

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



48.0731, 0.3984, 0.4812



90.2891, 0.3416, 0.3792



15.6084, 0.5248, 0.3344



19.7472, 0.3457, 0.3863



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.



48.0731, 0.3984, 0.4812



85.3968, 0.4079, 0.4998



41.8686, 0.3424, 0.5163



11.1007, 0.3258, 0.3517



31.1455, 0.4125, 0.5107



1.2260, 0.4142, 0.5093

Inverse Universe

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



8.6930, 0.1885, 0.1197



9.8529, 0.1657, 0.0830



12.3106, 0.2477, 0.1472



9.2430, 0.2990, 0.3053



2.5126, 0.1515, 0.0608



0.1047, 0.1571, 0.0639

Previews

White Background



This preview shows how the Yxy color 48.0709, 0.3984, 0.4812 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 48.0709, 0.3984, 0.4812 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 48.0709, 0.3984, 0.4812

Background



This preview shows how black text looks on a background with the Yxy color 48.0709, 0.3984, 0.4812.



This preview shows how white text looks on a background with the Yxy color 48.0709, 0.3984, 0.4812.

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

48.0709, 0.3984, 0.4812

Protanopia

47.7506, 0.4232, 0.4650

Deuteranopia

47.7476, 0.4480, 0.4391



Tritanopia

48.0962, 0.3178, 0.3117

Trichromacy



Original Color

48.0709, 0.3984, 0.4812

Protanomaly

48.0416, 0.4139, 0.4709

Deuteranomaly

47.5991, 0.4296, 0.4546

Tritanomaly

47.4116, 0.3527, 0.3769

Monochromacy



Original Color

48.0709, 0.3984, 0.4812

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.3807, 0.3486, 0.3918

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0709, 0.3984, 0.4812 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(186, 191, 64)` looks like.

```
.text, #text, p{  
    color:rgb(186, 191, 64)  
}
```

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(186, 191, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 191, 64) }
```

Border

The CSS property to change the border of an element to Yxy 48.0709, 0.3984, 0.4812 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(186, 191, 64) }
```

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

```
.border{ border-color:rgb(186, 191, 64) }
```

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

Here you see how a box with a 4 pixel rgb(186, 191, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 191, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 191, 64);  
box-shadow:4px 4px 4px 4px rgb(186, 191,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0709, 0.3984, 0.4812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 191, 64) }
```

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

```
.background{ background-color: rgb(186,  
191, 64) }
```

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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