

Converting Colors

$Y_{xy}(47.8622, 0.3830, 0.4714)$

Have a look what the booklet for
Yxy(47.8622, 0.3830, 0.4714)
contains.

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Color

Yxy(47.8622, 0.3830, 0.4714)

Conversions

Conversions Part 1

Format	Color
Hex	B3C050
RGB	179, 192, 80
RGB Percent	70%, 75%, 31%
CMY	0.2981, 0.2470, 0.6862
CMYK	0.07, 0.00, 0.58, 0.25
HSL	67°, 47%, 53%
HSV	67°, 58%, 75%
XYZ	38.8868, 47.8622, 14.7831
YIQ	175.3450, 28.2040, -37.5880

Conversions

Conversions Part 2

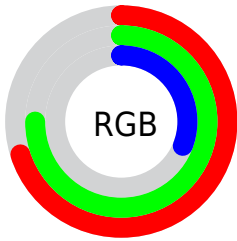
Format	Color
RYB	80, 192, 93
Decimal	11780176
CIELab	74.74, -19.93, 53.65
CIELCh	75, 57.232, 110.375
Yxy	47.8622, 0.3830, 0.4714
Android (android.graphics.Color)	4289970256 (0xFFB3C050)
YUV	175.3450, -47.0051, 3.2054
Hunter-Lab	69.1825, -20.7364, 35.7585

Details

The Yxy color **47.8622, 0.3830, 0.4714** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **11.8772, 0.2112, 0.1484**, and the grayscale version is **43.2969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8328, 0.3736, 0.4460**, and **22.8163, 0.3948, 0.5086** is the 20% darker color. If you saturate the color by 10%, you get **47.3560, 0.3907, 0.4899**, and if you desaturate by 10%, it is **48.4582, 0.3732, 0.4496**.

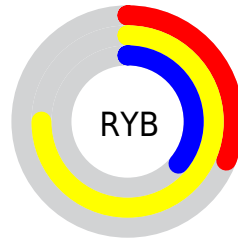
Distribution



Red (70%)

Green (75%)

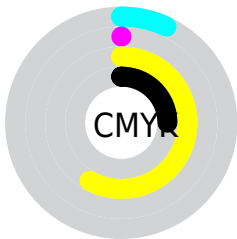
Blue (31%)



Red (31%)

Yellow (75%)

Blue (36%)

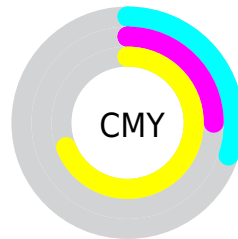


Cyan (7%)

Magenta (0%)

Yellow (58%)

Black (25%)



Cyan (30%)


Magenta (25%)


Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8622, 0.3830, 0.4714 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 47.8622, 0.3830, 0.4714 by changing the saturation by 10% instead.


 47.8622, 0.3830,
0.4714


 47.8622, 0.3830,
0.4714


378.2457, 0.3522,
0.4005


 33.7178, 0.3886,
0.4880


 86.9992, 0.3732,
0.4462


 22.6769, 0.3945,
0.5083


 112.7606, 0.3691,
0.4365


 14.3551, 0.3996,
0.5331


 143.1630, 0.3654,
0.4283

 8.3681, 0.4041,
0.5663

 178.5910, 0.3621,
0.4212

 4.3313, 0.3984,
0.6016

 219.4288, 0.3592,
0.4150

 1.8606, 0.3682,
0.6318

266.0610, 0.3566,

 0.5245, 0.0226,

0.4095

0.9774

318.8718, 0.3543,
0.4047

■ 0.0000, 0.0000,
0.0000

■ 47.8622, 0.3830,
0.4714

■ 47.8622, 0.3830,
0.4714

■ 47.3560, 0.3907,
0.4899

■ 48.4582, 0.3732,
0.4496

■ 46.9259, 0.3959,
0.5044

■ 49.1436, 0.3618,
0.4255

■ 46.5657, 0.3986,
0.5145

■ 49.9265, 0.3494,
0.4002

■ 46.2621, 0.3990,
0.5205

■ 50.8120, 0.3364,
0.3745

■ 46.2133, 0.3990,
0.5214

■ 51.8048, 0.3234,
0.3493

■ 52.9096, 0.3106,
0.3250

■ 54.1306, 0.2984,
0.3022

■ 55.4717, 0.2869,
0.2810

■ 56.9368, 0.2762,
0.2616

Harmonies

Analogous

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



47.8622, 0.4431, 0.4336



47.8622, 0.3830, 0.4714



47.8622, 0.3081, 0.4641

Triad

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



47.8622, 0.3830, 0.4714



47.8622, 0.1770, 0.2499



47.8622, 0.3823, 0.2684

Complementary

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



47.8622, 0.3830, 0.4714



11.8772, 0.2112, 0.1484

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.



47.8622, 0.3009, 0.2298



47.8622, 0.3830, 0.4714



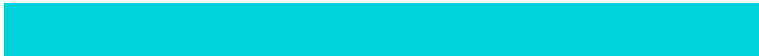
47.8622, 0.1908, 0.2162

Square

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



47.8622, 0.3830, 0.4714



47.8622, 0.1926, 0.3154



47.8622, 0.2327, 0.2110



47.8622, 0.4478, 0.3204

Rectangle

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



47.8622, 0.3830, 0.4714



47.8622, 0.2599, 0.4266



47.8622, 0.2327, 0.2110



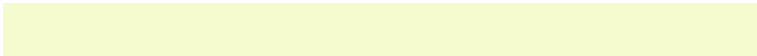
47.8622, 0.3552, 0.2537

Sweetspot

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



47.8644, 0.3830, 0.4714



92.2399, 0.3350, 0.3718



19.3080, 0.4799, 0.3438



19.7147, 0.3377, 0.3770



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.



47.8644, 0.3830, 0.4714



85.5672, 0.3924, 0.4944



42.6285, 0.3354, 0.4976



11.6970, 0.3247, 0.3519



31.1159, 0.3992, 0.5212



1.3616, 0.4040, 0.5174

Inverse Universe

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



11.8772, 0.2112, 0.1484



14.3734, 0.1875, 0.1100



15.7706, 0.2663, 0.1717



9.8028, 0.3001, 0.3053



2.6961, 0.1547, 0.0626



0.1355, 0.1693, 0.0706

Previews

White Background



This preview shows how the Yxy color 47.8622, 0.3830, 0.4714 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 47.8622, 0.3830, 0.4714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

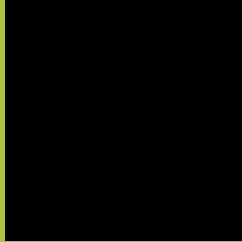
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.8622, 0.3830, 0.4714

Background



This preview shows how black text looks on a background with the Yxy color 47.8622, 0.3830, 0.4714.



This preview shows how white text looks on a background with the Yxy color 47.8622, 0.3830, 0.4714.

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

47.8622, 0.3830, 0.4714

Protanopia

47.6684, 0.4127, 0.4531

Deuteranopia

47.6467, 0.4362, 0.4272



Tritanopia

47.6139, 0.3110, 0.3114

Trichromacy



Original Color

47.8622, 0.3830, 0.4714

Protanomaly

47.7073, 0.4016, 0.4596

Deuteranomaly

47.3739, 0.4174, 0.4427

Tritanomaly

47.1457, 0.3403, 0.3698

Monochromacy



Original Color

47.8622, 0.3830, 0.4714

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.1713, 0.3417, 0.3854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.8622, 0.3830, 0.4714 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(179, 192, 80)` looks like.

```
.text, #text, p{  
    color:rgb(179, 192, 80)  
}
```

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(179, 192, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 192, 80) }
```

Border

The CSS property to change the border of an element to Yxy 47.8622, 0.3830, 0.4714 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(179, 192, 80) }
```

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

```
.border{ border-color:rgb(179, 192, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 192, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 192, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 192, 80);  
box-shadow:4px 4px 4px 4px rgb(179, 192,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 47.8622, 0.3830, 0.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 192, 80) }
```

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

```
.background{ background-color: rgb(179,  
192, 80) }
```

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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