

Converting Colors

$Yxy(46.6613, 0.3802, 0.4797)$

Have a look what the booklet for
Yxy(46.6613, 0.3802, 0.4797)
contains.

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Color

Yxy(46.5403, 0.3800, 0.4791)

Conversions

Conversions Part 1

Format	Color
Hex	ACBF4B
RGB	172, 191, 75
RGB Percent	67%, 75%, 29%
CMY	0.3255, 0.2510, 0.7060
CMYK	0.10, 0.00, 0.61, 0.25
HSL	70°, 48%, 52%
HSV	70°, 61%, 75%
XYZ	36.9136, 46.5403, 13.6872
YIQ	172.0950, 25.9120, -40.1040

Conversions

Conversions Part 2

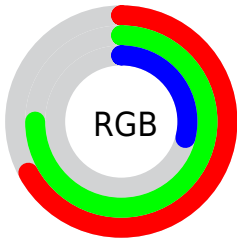
Format	Color
RYB	75, 191, 94
Decimal	11321163
CIELab	73.89, -22.68, 54.80
CIELCh	74, 59.311, 112.481
Yxy	46.5403, 0.3800, 0.4791
Android (android.graphics.Color)	4289511243 (0xFFACBF4B)
YUV	172.0950, -47.8678, -0.0833
Hunter-Lab	68.2205, -22.8007, 35.8589

Details

The Yxy color **46.5403, 0.3800, 0.4791** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **11.1670, 0.2112, 0.1427**, and the grayscale version is **41.5423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9030, 0.3716, 0.4520**, and **21.9963, 0.3898, 0.5190** is the 20% darker color. If you saturate the color by 10%, you get **45.9693, 0.3863, 0.4977**, and if you desaturate by 10%, it is **47.2023, 0.3715, 0.4571**.

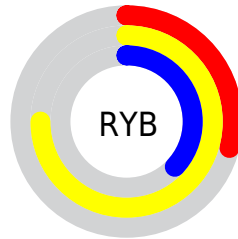
Distribution



Red (67%)

Green (75%)

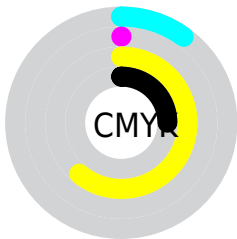
Blue (29%)



Red (29%)

Yellow (75%)

Blue (37%)

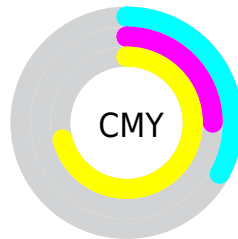


Cyan (10%)

Magenta (0%)

Yellow (61%)

Black (25%)



Cyan (33%)


Magenta (25%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.5403, 0.3800, 0.4791 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 46.5403, 0.3800, 0.4791 by changing the saturation by 10% instead.

 46.5403, 0.3800,
0.4791

 46.5403, 0.3800,
0.4791


372.9766, 0.3510,
0.4037


 32.6724, 0.3850,
0.4969


 85.0270, 0.3710,
0.4522

 21.8756, 0.3898,
0.5187


 110.4146, 0.3671,
0.4419

 13.7655, 0.3933,
0.5453


 140.4109, 0.3637,
0.4331

 7.9578, 0.3973,
0.5840

 175.4003, 0.3606,
0.4256

 4.0679, 0.3834,
0.6166

 215.7672, 0.3578,
0.4190

 1.7116, 0.3472,
0.6528

261.8959, 0.3553,

 0.4312, 0.0000,

0.4133

1.0000

314.1709, 0.3530,
0.4082

■ 0.0000, 0.0000,
0.0000

■ 46.5403, 0.3800,
0.4791

■ 46.5403, 0.3800,
0.4791

■ 45.9693, 0.3863,
0.4977

■ 47.2023, 0.3715,
0.4571

■ 45.4757, 0.3901,
0.5121

■ 47.9555, 0.3613,
0.4328

■ 45.0529, 0.3913,
0.5221

■ 48.8076, 0.3500,
0.4071

■ 44.7094, 0.3906,
0.5280

■ 49.7641, 0.3379,
0.3810

■ 50.8298, 0.3257,
0.3554

■ 52.0092, 0.3136,
0.3308

■ 53.3066, 0.3020,
0.3077

■ 54.7261, 0.2909,
0.2862

■ 56.2716, 0.2806,
0.2665

Harmonies

Analogous

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



46.5403, 0.4446, 0.4407



46.5403, 0.3800, 0.4791



46.5403, 0.3018, 0.4682

Triad

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



46.5403, 0.3800, 0.4791



46.5403, 0.1720, 0.2427



46.5403, 0.3911, 0.2693

Complementary

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



46.5403, 0.3800, 0.4791



11.1670, 0.2112, 0.1427

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.



46.5403, 0.3059, 0.2282



46.5403, 0.3800, 0.4791



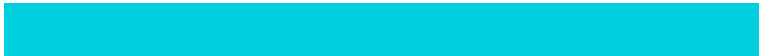
46.5403, 0.1882, 0.2104

Square

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



46.5403, 0.3800, 0.4791



46.5403, 0.1856, 0.3085



46.5403, 0.2335, 0.2071



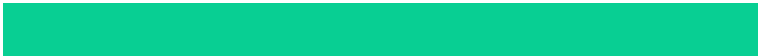
46.5403, 0.4573, 0.3235

Rectangle

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



46.5403, 0.3800, 0.4791



46.5403, 0.2523, 0.4262



46.5403, 0.2335, 0.2071



46.5403, 0.3630, 0.2538

Sweetspot

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



46.5424, 0.3800, 0.4791



89.5750, 0.3349, 0.3746



19.3032, 0.4849, 0.3517



19.5515, 0.3385, 0.3822



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.



46.5424, 0.3800, 0.4791



82.0104, 0.3879, 0.5031



41.4556, 0.3309, 0.5072



11.0393, 0.3240, 0.3518



29.4104, 0.3910, 0.5277



1.1735, 0.3982, 0.5220

Inverse Universe

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



11.1670, 0.2112, 0.1427



13.2317, 0.1873, 0.1046



15.3103, 0.2705, 0.1686



9.2984, 0.3009, 0.3055



2.6902, 0.1578, 0.0643



0.1292, 0.1781, 0.0755

Previews

White Background



This preview shows how the Yxy color 46.5403, 0.3800, 0.4791 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 46.5403, 0.3800, 0.4791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

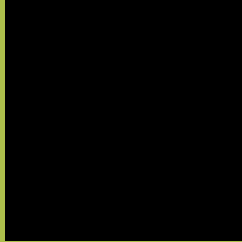
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.5403, 0.3800, 0.4791

Background



This preview shows how black text looks on a background with the Yxy color 46.5403, 0.3800, 0.4791.



This preview shows how white text looks on a background with the Yxy color 46.5403, 0.3800, 0.4791.

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

46.5403, 0.3800, 0.4791

Protanopia

46.4803, 0.4159, 0.4574

Deuteranopia

46.0918, 0.4402, 0.4294



Tritanopia

46.4047, 0.3067, 0.3111

Trichromacy



Original Color

46.5403, 0.3800, 0.4791

Protanomaly

46.2553, 0.4027, 0.4653

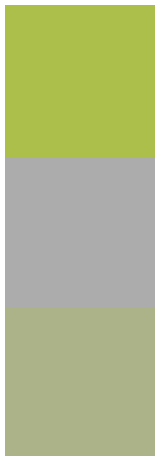
Deuteranomaly

45.9121, 0.4183, 0.4472

Tritanomaly

45.7723, 0.3367, 0.3735

Monochromacy



Original Color

46.5403, 0.3800, 0.4791

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.8170, 0.3410, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.5403, 0.3800, 0.4791 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(172, 191, 75)` looks like.

```
.text, #text, p{  
    color:rgb(172, 191, 75)  
}
```

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(172, 191, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 191, 75) }
```

Border

The CSS property to change the border of an element to Yxy 46.5403, 0.3800, 0.4791 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(172, 191, 75) }
```

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

```
.border{ border-color:rgb(172, 191, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 191, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 191, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 191, 75);  
box-shadow:4px 4px 4px 4px rgb(172, 191,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 46.5403, 0.3800, 0.4791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 191, 75) }
```

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

```
.background{ background-color: rgb(172,  
191, 75) }
```

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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