

Converting Colors

$Y_{xy}(47.0630, 0.4020, 0.4767)$

Have a look what the booklet for
Yxy(47.0630, 0.4020, 0.4767)
contains.

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Color

Yxy(47.0395, 0.4020, 0.4766)

Conversions

Conversions Part 1

Format	Color
Hex	BCBC41
RGB	188, 188, 65
RGB Percent	74%, 74%, 25%
CMY	0.2627, 0.2627, 0.7453
CMYK	0.00, 0.00, 0.65, 0.26
HSL	60°, 49%, 50%
HSV	60°, 65%, 74%
XYZ	39.6766, 47.0395, 11.9819
YIQ	173.9780, 39.4830, -38.2530

Conversions

Conversions Part 2

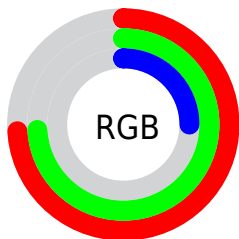
Format	Color
R_{YB}	65, 188, 65
Decimal	12368961
CIE _{Lab}	74.22, -15.18, 59.70
CIE _{LCh}	74, 61.601, 104.262
Yxy	47.0395, 0.4020, 0.4766
Android (android.graphics.Color)	4290559041 (0xFFBCBC41)
YUV	173.9780, -53.7262, 12.2973
Hunter-Lab	68.5853, -16.7621, 37.6517

Details

The Yxy color **47.0395, 0.4020, 0.4766** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **8.5291, 0.1872, 0.1215**, and the grayscale version is **42.5810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8074, 0.3898, 0.4517**, and **22.1532, 0.4143, 0.5092** is the 20% darker color. If you saturate the color by 10%, you get **46.8589, 0.4100, 0.4899**, and if you desaturate by 10%, it is **47.2970, 0.3916, 0.4594**.

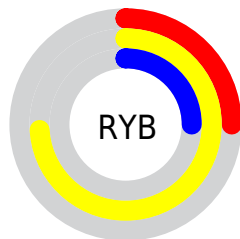
Distribution



Red (74%)

Green (74%)

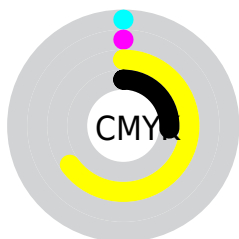
Blue (25%)



Red (25%)

Yellow (74%)

Blue (25%)

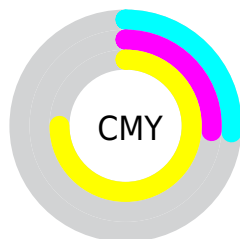


Cyan (0%)

Magenta (0%)

Yellow (65%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0395, 0.4020, 0.4766 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 47.0395, 0.4020, 0.4766 by changing the saturation by 10% instead.

 47.0395, 0.4020,
0.4766


 47.0395, 0.4020,
0.4766


374.9722, 0.3627,
0.4049


 33.0669, 0.4091,
0.4925


 85.7726, 0.3895,
0.4518

 22.1777, 0.4164,
0.5112


 111.3018, 0.3843,
0.4420


 13.9875, 0.4227,
0.5328


 141.4521, 0.3796,
0.4336

 8.1120, 0.4332,
0.5668

 176.6077, 0.3754,
0.4263

 4.1667, 0.4193,
0.5807

 217.1532, 0.3717,
0.4199

 1.7672, 0.3959,
0.6041

263.4728, 0.3684,

 0.4666, 0.1354,

0.4143

0.8646

315.9510, 0.3654,
0.4093

0.0000, 0.0000,
0.0000

47.0395, 0.4020,
0.4766

47.0395, 0.4020,
0.4766

46.8589, 0.4100,
0.4899

47.2970, 0.3916,
0.4594

46.7410, 0.4155,
0.4989

47.6313, 0.3792,
0.4389

46.6788, 0.4184,
0.5038

48.0503, 0.3653,
0.4160

46.6600, 0.4193,
0.5053

48.5593, 0.3506,
0.3917

49.1631, 0.3356,
0.3668

■ 49.8662, 0.3206,
0.3421

■ 50.6728, 0.3062,
0.3183

■ 51.5867, 0.2926,
0.2958

■ 52.6118, 0.2799,
0.2747

Harmonies

Analogous

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



47.0395, 0.4615, 0.4280



47.0395, 0.4020, 0.4766



47.0395, 0.3232, 0.4833

Triad

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



47.0395, 0.4020, 0.4766



47.0395, 0.1687, 0.2547



47.0395, 0.3699, 0.2542

Complementary

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



47.0395, 0.4020, 0.4766



8.5291, 0.1872, 0.1215

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.



47.0395, 0.2827, 0.2172



47.0395, 0.4020, 0.4766



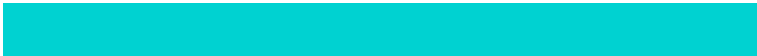
47.0395, 0.1772, 0.2127

Square

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



47.0395, 0.4020, 0.4766



47.0395, 0.1911, 0.3316



47.0395, 0.2153, 0.2020



47.0395, 0.4476, 0.3068

Rectangle

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



47.0395, 0.4020, 0.4766



47.0395, 0.2701, 0.4511



47.0395, 0.2153, 0.2020



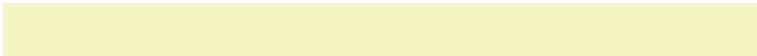
47.0395, 0.3400, 0.2398

Sweetspot

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



47.0417, 0.4020, 0.4766



88.5380, 0.3429, 0.3789



14.8730, 0.5202, 0.3272



18.9749, 0.3471, 0.3859



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



47.0417, 0.4020, 0.4766



84.8007, 0.4130, 0.4947



40.9811, 0.3475, 0.5101



11.1205, 0.3264, 0.3517



31.7660, 0.4193, 0.5053



1.2443, 0.4193, 0.5053

Inverse Universe

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



8.5291, 0.1872, 0.1215



9.6986, 0.1644, 0.0837



11.7238, 0.2421, 0.1468



9.2254, 0.2984, 0.3053



2.4721, 0.1500, 0.0600



0.0968, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 47.0395, 0.4020, 0.4766 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 47.0395, 0.4020, 0.4766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

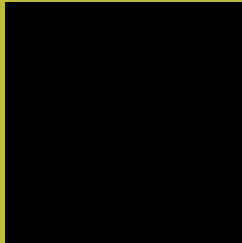
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0395, 0.4020, 0.4766

Background



This preview shows how black text looks on a background with the Yxy color 47.0395, 0.4020, 0.4766.



This preview shows how white text looks on a background with the Yxy color 47.0395, 0.4020, 0.4766.

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

47.0395, 0.4020, 0.4766

Protanopia

47.0745, 0.4212, 0.4637

Deuteranopia

46.6602, 0.4474, 0.4374



Tritanopia

46.9105, 0.3214, 0.3117

Trichromacy



Original Color

47.0395, 0.4020, 0.4766

Protanomaly

47.0739, 0.4140, 0.4689

Deuteranomaly

46.4043, 0.4316, 0.4510

Tritanomaly

46.2890, 0.3554, 0.3744

Monochromacy



Original Color

47.0395, 0.4020, 0.4766

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.5451, 0.3500, 0.3907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0395, 0.4020, 0.4766 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(188, 188, 65)` looks like.

```
.text, #text, p{  
    color:rgb(188, 188, 65)  
}
```

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(188, 188, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 188, 65) }
```

Border

The CSS property to change the border of an element to Yxy 47.0395, 0.4020, 0.4766 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(188, 188, 65) }
```

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

```
.border{ border-color:rgb(188, 188, 65) }
```

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

Here you see how a box with a 4 pixel rgb(188, 188, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 188, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 188, 65);  
box-shadow:4px 4px 4px 4px rgb(188, 188,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0395, 0.4020, 0.4766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 188, 65) }
```

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

```
.background{ background-color: rgb(188,  
188, 65) }
```

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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