

Converting Colors

$Y_{xy}(47.3457, 0.4111, 0.5118)$

Have a look what the booklet for
Yxy(47.3457, 0.4111, 0.5118)
contains.

Yxy(47.2067, 0.4111, 0.5118)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(47.2067, 0.4111, 0.5118)

Conversions

Conversions Part 1

Format	Color
Hex	B6BF00
RGB	182, 191, 0
RGB Percent	71%, 75%, 0%
CMY	0.2864, 0.2509, 1.0000
CMYK	0.05, 0.00, 1.00, 0.25
HSL	63°, 100%, 37%
HSV	63°, 100%, 75%
XYZ	37.9185, 47.2067, 7.1114
YIQ	166.5350, 55.9470, -61.3090

Conversions

Conversions Part 2

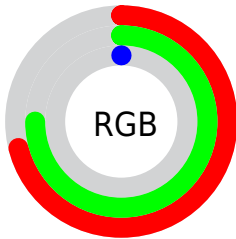
Format	Color
R _{YB}	0, 191, 9
Decimal	11976448
CIE Lab	74.32, -21.24, 75.18
CIE LCh	74, 78.126, 105.775
Yxy	47.2067, 0.4111, 0.5118
Android (android.graphics.Color)	4290166528 (0xFFB6BF00)
YUV	166.5350, -82.1018, 13.5628
Hunter-Lab	68.7071, -21.7259, 41.9583

Details

The Yxy color **47.2067, 0.4111, 0.5118** is a dark color, and the websafe version is hex **CCCC00**. A complement of this color would be **3.8204, 0.1514, 0.0608**, and the grayscale version is **38.7919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9929, 0.4010, 0.4832**, and **22.4620, 0.4020, 0.5190** is the 20% darker color. If you saturate the color by 10%, you get **47.2090, 0.4111, 0.5118**, and if you desaturate by 10%, it is **47.3667, 0.4097, 0.5073**.

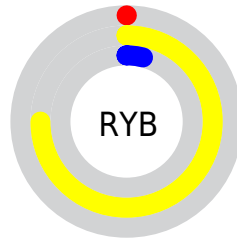
Distribution



Red (71%)

Green (75%)

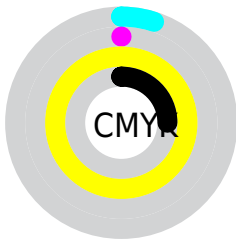
Blue (0%)



Red (0%)

Yellow (75%)

Blue (4%)

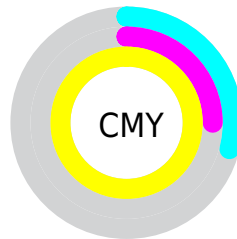


Cyan (5%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (29%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2067, 0.4111, 0.5118 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 47.2067, 0.4111, 0.5118 by changing the saturation by 10% instead.

47.2067, 0.4111,
0.5118

47.2067, 0.4111,
0.5118

375.6390, 0.3723,
0.4257

33.1991, 0.4159,
0.5291

86.0221, 0.4004,
0.4832

22.2790, 0.4190,
0.5482

111.5986, 0.3954,
0.4716

14.0621, 0.4225,
0.5740

141.8003, 0.3906,
0.4614

8.1638, 0.4110,
0.5890

177.0115, 0.3863,
0.4524

4.2000, 0.3913,
0.6087

217.6165, 0.3823,
0.4445

1.7860, 0.3583,
0.6417

263.9999, 0.3787,

0.4784, 0.0000,

0.4375

1.0000

316.5459, 0.3754,
0.4313

■ 0.0000, 0.0000,
0.0000

■ 47.2067, 0.4111,
0.5118

■ 47.2067, 0.4111,
0.5118

■ 47.2090, 0.4111,
0.5118

■ 47.3667, 0.4097,
0.5073

■ 47.5716, 0.4062,
0.4993

■ 47.8405, 0.4002,
0.4870

■ 48.1819, 0.3917,
0.4706

■ 48.6031, 0.3810,
0.4506

■ 49.1103, 0.3686,
0.4279

■ 49.7092, 0.3550,
0.4036

■ 50.4050, 0.3409,
0.3784

■ 51.2025, 0.3266,
0.3533

Harmonies

Analogous

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



47.2067, 0.4890, 0.4453



47.2067, 0.4111, 0.5118



47.2067, 0.3147, 0.5275

Triad

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



47.2067, 0.4111, 0.5118



47.2067, 0.1393, 0.2304



47.2067, 0.3891, 0.2402

Complementary

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



47.2067, 0.4111, 0.5118



3.8204, 0.1514, 0.0608

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.



47.2067, 0.2788, 0.1960



47.2067, 0.4111, 0.5118



47.2067, 0.1515, 0.1855

Square

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



47.2067, 0.4111, 0.5118



47.2067, 0.1612, 0.3229



47.2067, 0.1968, 0.1765



47.2067, 0.4869, 0.3016

Rectangle

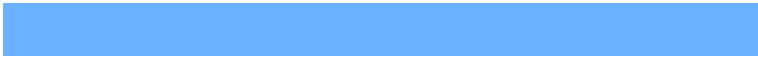
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.2067, 0.4111, 0.5118



47.2067, 0.2512, 0.4846



47.2067, 0.1968, 0.1765



47.2067, 0.3510, 0.2231

Sweetspot

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



47.2090, 0.4111, 0.5118



88.9633, 0.3557, 0.4047



11.2160, 0.6378, 0.3318



19.4312, 0.3616, 0.4153



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.



47.2090, 0.4111, 0.5118



84.5096, 0.4110, 0.5119



39.3971, 0.3320, 0.5746



11.0969, 0.3257, 0.3517



31.0313, 0.4112, 0.5117



1.2227, 0.4133, 0.5101

Inverse Universe

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



3.8204, 0.1514, 0.0608



6.8130, 0.1510, 0.0606



6.5794, 0.2088, 0.0924



9.2463, 0.2991, 0.3053



2.5203, 0.1517, 0.0610



0.1062, 0.1585, 0.0647

Previews

White Background



This preview shows how the Yxy color 47.2067, 0.4111, 0.5118 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 47.2067, 0.4111, 0.5118 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 47.2067, 0.4111, 0.5118

Background



This preview shows how black text looks on a background with the Yxy color 47.2067, 0.4111, 0.5118.



This preview shows how white text looks on a background with the Yxy color 47.2067, 0.4111, 0.5118.

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

47.2067, 0.4111, 0.5118

Protanopia

46.9888, 0.4406, 0.4884

Deuteranopia

46.8039, 0.4671, 0.4573



Tritanopia

47.2045, 0.3169, 0.3128

Trichromacy



Original Color

47.2067, 0.4111, 0.5118

Protanomaly

46.9881, 0.4295, 0.4972

Deuteranomaly

46.8357, 0.4475, 0.4776

Tritanomaly

46.2193, 0.3687, 0.4089

Monochromacy



Original Color

47.2067, 0.4111, 0.5118

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.8619, 0.3673, 0.4271

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2067, 0.4111, 0.5118 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(182, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(182, 191, 0)  
}
```

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(182, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.2067, 0.4111, 0.5118 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(182, 191, 0) }
```

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

```
.border{ border-color:rgb(182, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(182, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2067, 0.4111, 0.5118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 191, 0) }
```

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

```
.background{ background-color: rgb(182,  
191, 0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor