

Converting Colors

$Yxy(45.4497, 0.3686, 0.4836)$

Have a look what the booklet for
Yxy(45.4497, 0.3686, 0.4836)
contains.

Yxy(45.3745, 0.3688, 0.4827)	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(45.3745, 0.3688, 0.4827)

Conversions

Conversions Part 1

Format	Color
Hex	A1BF4D
RGB	161, 191, 77
RGB Percent	63%, 75%, 30%
CMY	0.3687, 0.2510, 0.6979
CMYK	0.16, 0.00, 0.60, 0.25
HSL	76°, 47%, 53%
HSV	76°, 60%, 75%
XYZ	34.6677, 45.3745, 13.9592
YIQ	169.0340, 18.7140, -41.8140

Conversions

Conversions Part 2

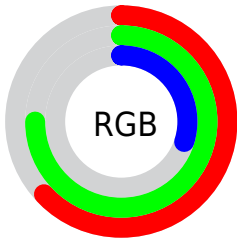
Format	Color
RYB	77, 191, 107
Decimal	10600269
CIELab	73.14, -26.97, 52.84
CIElCh	73, 59.324, 117.041
Yxy	45.3745, 0.3688, 0.4827
Android (android.graphics.Color)	4288790349 (0xFFA1BF4D)
YUV	169.0340, -45.3728, -7.0458
Hunter-Lab	67.3606, -26.0144, 34.8657

Details

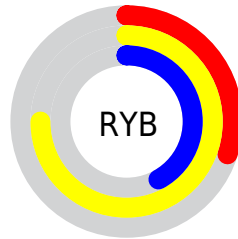
The Yxy color **45.3745, 0.3688, 0.4827** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **12.2049, 0.2238, 0.1506**, and the grayscale version is **39.9177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0387, 0.3620, 0.4540**, and **21.0096, 0.3756, 0.5251** is the 20% darker color. If you saturate the color by 10%, you get **44.6328, 0.3736, 0.5038**, and if you desaturate by 10%, it is **46.2205, 0.3619, 0.4585**.

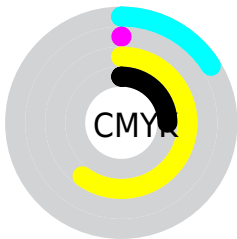
Distribution



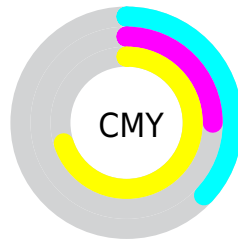
- Red (63%)
- Green (75%)
- Blue (30%)



- Red (30%)
- Yellow (75%)
- Blue (42%)



- Cyan (16%)
- Magenta (0%)
- Yellow (60%)
- Black (25%)



- Cyan (37%)
- Magenta (25%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.3745, 0.3688, 0.4827 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 45.3745, 0.3688, 0.4827 by changing the saturation by 10% instead.


 45.3745, 0.3688,
0.4827


 45.3745, 0.3688,
0.4827


368.2882, 0.3453,
0.4041


 31.7525, 0.3725,
0.5018


 83.2821, 0.3617,
0.4543


 21.1725, 0.3758,
0.5255


 108.3365, 0.3586,
0.4435

 13.2502, 0.3773,
0.5551


 137.9705, 0.3557,
0.4344

 7.6010, 0.3780,
0.5984

 172.5685, 0.3532,
0.4266

 3.8407, 0.3605,
0.6395

 212.5148, 0.3509,
0.4198

 1.5849, 0.3136,
0.6864

258.1940, 0.3488,

 0.3474, 0.0000,

0.4139

1.0000

309.9903, 0.3470,
0.4087

■ 0.0000, 0.0000,
0.0000

■ 45.3745, 0.3688,
0.4827

■ 45.3745, 0.3688,
0.4827

■ 44.6328, 0.3736,
0.5038

■ 46.2205, 0.3619,
0.4585

■ 43.9820, 0.3759,
0.5208

■ 47.1712, 0.3534,
0.4324

■ 43.4153, 0.3757,
0.5332

■ 48.2347, 0.3437,
0.4055

■ 42.9165, 0.3734,
0.5415

■ 49.4162, 0.3334,
0.3787

■ 42.9004, 0.3734,
0.5418

■ 50.7208, 0.3228,
0.3528

■ 52.1533, 0.3124,
0.3282

■ 53.7179, 0.3023,
0.3054

■ 55.4190, 0.2927,
0.2843

■ 57.2606, 0.2837,
0.2652

Harmonies

Analogous

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



45.3745, 0.4373, 0.4492



45.3745, 0.3688, 0.4827



45.3745, 0.2897, 0.4622

Triad

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



45.3745, 0.3688, 0.4827



45.3745, 0.1716, 0.2349



45.3745, 0.4041, 0.2765

Complementary

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



45.3745, 0.3688, 0.4827



12.2049, 0.2238, 0.1506

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.



45.3745, 0.3187, 0.2326



45.3745, 0.3688, 0.4827



45.3745, 0.1924, 0.2073

Square

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



45.3745, 0.3688, 0.4827



45.3745, 0.1805, 0.2960



45.3745, 0.2423, 0.2080



45.3745, 0.4649, 0.3323

Rectangle

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



45.3745, 0.3688, 0.4827



45.3745, 0.2415, 0.4145



45.3745, 0.2423, 0.2080



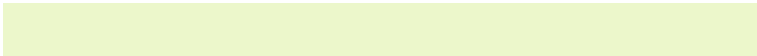
45.3745, 0.3765, 0.2601

Sweetspot

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



45.3765, 0.3688, 0.4827



88.8078, 0.3319, 0.3750



21.8256, 0.4693, 0.3666



19.3575, 0.3350, 0.3828



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.



45.3765, 0.3688, 0.4827



79.5090, 0.3747, 0.5102



40.8363, 0.3223, 0.5089



10.9907, 0.3225, 0.3519



28.2323, 0.3740, 0.5413



1.1360, 0.3854, 0.5322

Inverse Universe

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



12.2049, 0.2238, 0.1506



14.7495, 0.2005, 0.1128



16.8108, 0.2849, 0.1770



9.3436, 0.3024, 0.3056



2.9568, 0.1669, 0.0693



0.1488, 0.1936, 0.0840

Previews

White Background



This preview shows how the Yxy color 45.3745, 0.3688, 0.4827 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 45.3745, 0.3688, 0.4827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

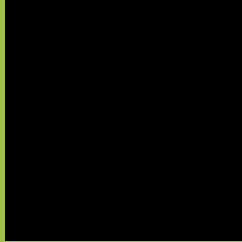
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3745, 0.3688, 0.4827

Background



This preview shows how black text looks on a background with the Yxy color 45.3745, 0.3688, 0.4827.



This preview shows how white text looks on a background with the Yxy color 45.3745, 0.3688, 0.4827.

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

45.3745, 0.3688, 0.4827

Protanopia

44.8767, 0.4142, 0.4544

Deuteranopia

44.7461, 0.4361, 0.4265



Tritanopia

45.0891, 0.2976, 0.3106

Trichromacy



Original Color

45.3745, 0.3688, 0.4827

Protanomaly

44.6893, 0.3973, 0.4647

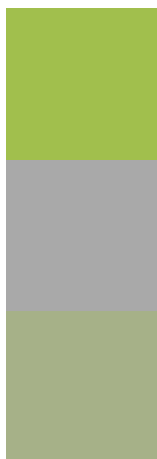
Deuteranomaly

44.5770, 0.4105, 0.4468

Tritanomaly

44.5364, 0.3261, 0.3735

Monochromacy



Original Color

45.3745, 0.3688, 0.4827

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

41.3288, 0.3367, 0.3877

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3745, 0.3688, 0.4827 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(161, 191, 77)` looks like.

```
.text, #text, p{  
  color:rgb(161, 191, 77)  
}
```

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(161, 191, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 191, 77) }
```

Border

The CSS property to change the border of an element to Yxy 45.3745, 0.3688, 0.4827 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(161, 191, 77) }
```

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

```
.border{ border-color:rgb(161, 191, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 191, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 191, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 191, 77);  
box-shadow:4px 4px 4px 4px rgb(161, 191,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3745, 0.3688, 0.4827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 191, 77) }
```

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

```
.background{ background-color: rgb(161,  
191, 77) }
```

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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