

Converting Colors

$Yxy(45.2374, 0.3186, 0.5047)$

Have a look what the booklet for
Yxy(45.2374, 0.3186, 0.5047)
contains.

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Color

Yxy(45.1526, 0.3184, 0.5048)

Conversions

Conversions Part 1

Format	Color
Hex	6CC855
RGB	108, 200, 85
RGB Percent	42%, 78%, 33%
CMY	0.5764, 0.2157, 0.6665
CMYK	0.46, 0.00, 0.57, 0.22
HSL	108°, 51%, 56%
HSV	108°, 57%, 78%
XYZ	28.4798, 45.1526, 15.8141
YIQ	159.3820, -17.9170, -55.2690

Conversions

Conversions Part 2

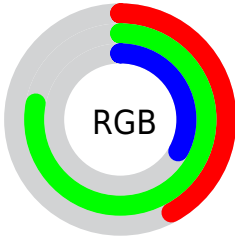
Format	Color
RYB	85, 200, 177
Decimal	7129173
CIELab	72.99, -49.01, 48.31
CIELCh	73, 68.811, 135.412
Yxy	45.1526, 0.3184, 0.5048
Android (android.graphics.Color)	4285319253 (0xFF6CC855)
YUV	159.3820, -36.6703, -45.0620
Hunter-Lab	67.1957, -41.9382, 33.0834

Details

The Yxy color **45.1526, 0.3184, 0.5048** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **20.0220, 0.2928, 0.1842**, and the grayscale version is **35.0354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3543, 0.3210, 0.4675**, and **21.0081, 0.3110, 0.5607** is the 20% darker color. If you saturate the color by 10%, you get **43.9671, 0.3169, 0.5355**, and if you desaturate by 10%, it is **46.6160, 0.3189, 0.4716**.

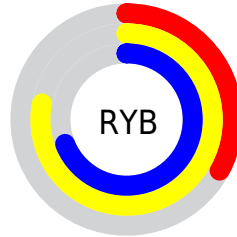
Distribution



Red (42%)

Green (78%)

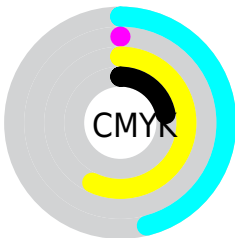
Blue (33%)



Red (33%)

Yellow (78%)

Blue (69%)

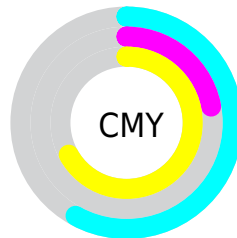


Cyan (46%)

Magenta (0%)

Yellow (57%)

Black (22%)



Cyan (58%)


Magenta (22%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1526, 0.3184, 0.5048 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 45.1526, 0.3184, 0.5048 by changing the saturation by 10% instead.


 45.1526, 0.3184,
0.5048


 45.1526, 0.3184,
0.5048


367.3912, 0.3207,
0.4108

 31.5776, 0.3157,
0.5294


 82.9494, 0.3207,
0.4696


 21.0391, 0.3108,
0.5612


 107.9399, 0.3211,
0.4567


 13.1526, 0.3017,
0.6033


 137.5045, 0.3213,
0.4458

 7.5337, 0.2851,
0.6622

 172.0275, 0.3213,
0.4367

 3.7981, 0.2526,
0.7474

 211.8933, 0.3212,
0.4288

 1.5612, 0.0986,
0.9014

257.4862, 0.3211,

 0.3313, 0.0000,

0.4220

1.0000

309.1907, 0.3209,
0.4161

0.0000, 0.0000,
0.0000

45.1526, 0.3184,
0.5048

45.1526, 0.3184,
0.5048

43.9671, 0.3169,
0.5355

46.6160, 0.3189,
0.4716

43.0358, 0.3145,
0.5613

48.3676, 0.3185,
0.4380

42.3405, 0.3112,
0.5805

50.4244, 0.3175,
0.4055

41.8559, 0.3074,
0.5924

52.8002, 0.3160,
0.3752

41.7601, 0.3066,
0.5947

55.5080, 0.3142,
0.3477

■ 58.5599, 0.3122,
0.3231

■ 61.9678, 0.3102,
0.3014

■ 65.7425, 0.3082,
0.2824

■ 69.2317, 0.3131,
0.2748

Harmonies

Analogous

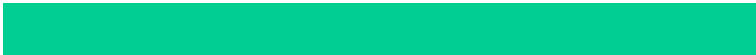
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.1526, 0.4064, 0.4950



45.1526, 0.3184, 0.5048



45.1526, 0.2336, 0.4355

Triad

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



45.1526, 0.3184, 0.5048



45.1526, 0.1642, 0.1985



45.1526, 0.4679, 0.3051

Complementary

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



45.1526, 0.3184, 0.5048



20.0220, 0.2928, 0.1842

Split Complementary

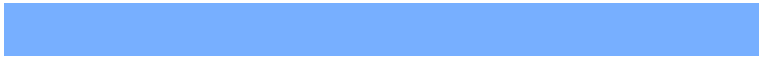
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.1526, 0.3805, 0.2477



45.1526, 0.3184, 0.5048



45.1526, 0.2065, 0.1889

Square

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



45.1526, 0.3184, 0.5048



45.1526, 0.1535, 0.2418



45.1526, 0.2818, 0.2067



45.1526, 0.5025, 0.3704

Rectangle

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



45.1526, 0.3184, 0.5048



45.1526, 0.1909, 0.3624



45.1526, 0.2818, 0.2067



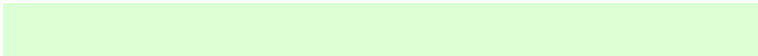
45.1526, 0.4430, 0.2847

Sweetspot

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



45.1545, 0.3184, 0.5048



91.5204, 0.3159, 0.3745



44.3834, 0.4095, 0.4413



19.3993, 0.3163, 0.3804



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



45.1545, 0.3184, 0.5048



75.6770, 0.3164, 0.5425



44.5868, 0.2859, 0.4591



11.9882, 0.3145, 0.3527



26.5825, 0.3073, 0.5942



1.2897, 0.3214, 0.5830

Inverse Universe

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



20.0220, 0.2928, 0.1842



28.0093, 0.2864, 0.1594



21.5166, 0.3621, 0.2298



10.7055, 0.3106, 0.3060



7.4437, 0.2712, 0.1268



0.3805, 0.2822, 0.1328

Previews

White Background



This preview shows how the Yxy color 45.1526, 0.3184, 0.5048 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 45.1526, 0.3184, 0.5048 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 45.1526, 0.3184, 0.5048

Background



This preview shows how black text looks on a background with the Yxy color 45.1526, 0.3184, 0.5048.



This preview shows how white text looks on a background with the Yxy color 45.1526, 0.3184, 0.5048.

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

45.1526, 0.3184, 0.5048

Protanopia

44.3966, 0.4115, 0.4502

Deuteranopia

44.4452, 0.4260, 0.4183



Tritanopia

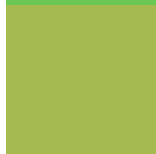
45.0241, 0.2597, 0.3080

Trichromacy



Original Color

45.1526, 0.3184, 0.5048



Protanomaly

43.7112, 0.3729, 0.4717



Deuteranomaly

43.2509, 0.3823, 0.4502



Tritanomaly

44.3749, 0.2823, 0.3771

Monochromacy



Original Color

45.1526, 0.3184, 0.5048



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.5135, 0.3166, 0.3944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1526, 0.3184, 0.5048 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(108, 200, 85)` looks like.

```
.text, #text, p{  
    color:rgb(108, 200, 85)  
}
```

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(108, 200, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 200, 85) }
```

Border

The CSS property to change the border of an element to Yxy 45.1526, 0.3184, 0.5048 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(108, 200, 85) }
```

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

```
.border{ border-color:rgb(108, 200, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 200, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 200, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 200, 85);  
box-shadow:4px 4px 4px 4px rgb(108, 200,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1526, 0.3184, 0.5048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 200, 85) }
```

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

```
.background{ background-color: rgb(108,  
200, 85) }
```

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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