

Converting Colors

$Yxy(45.8168, 0.3506, 0.4880)$

Have a look what the booklet for
Yxy(45.8168, 0.3506, 0.4880)
contains.

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Color

Yxy(45.7504, 0.3510, 0.4881)

Conversions

Conversions Part 1

Format	Color
Hex	92C352
RGB	146, 195, 82
RGB Percent	57%, 76%, 32%
CMY	0.4272, 0.2353, 0.6784
CMYK	0.25, 0.00, 0.58, 0.24
HSL	86°, 48%, 54%
HSV	86°, 58%, 76%
XYZ	32.8998, 45.7504, 15.0814
YIQ	167.4670, 7.0690, -45.5310

Conversions

Conversions Part 2

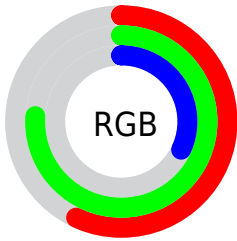
Format	Color
RYB	82, 195, 131
Decimal	9618258
CIELab	73.38, -34.21, 50.63
CIELCh	73, 61.102, 124.045
Yxy	45.7504, 0.3510, 0.4881
Android (android.graphics.Color)	4287808338 (0xFF92C352)
YUV	167.4670, -42.1352, -18.8266
Hunter-Lab	67.6390, -31.5455, 34.1275

Details

The Yxy color **45.7504, 0.3510, 0.4881** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **14.7978, 0.2460, 0.1638**, and the grayscale version is **39.0973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9266, 0.3468, 0.4580**, and **21.4089, 0.3533, 0.5347** is the 20% darker color. If you saturate the color by 10%, you get **44.7504, 0.3533, 0.5131**, and if you desaturate by 10%, it is **46.8960, 0.3467, 0.4605**.

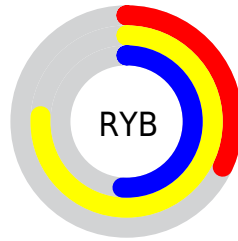
Distribution



Red (57%)

Green (76%)

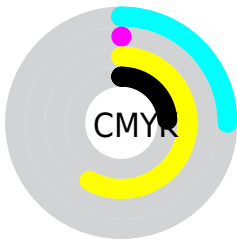
Blue (32%)



Red (32%)

Yellow (76%)

Blue (51%)

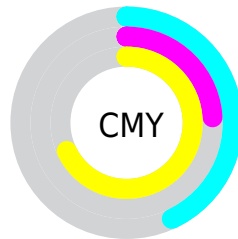


Cyan (25%)

Magenta (0%)

Yellow (58%)

Black (24%)



Cyan (43%)


Magenta (24%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7504, 0.3510, 0.4881 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 45.7504, 0.3510, 0.4881 by changing the saturation by 10% instead.


 45.7504, 0.3510,
0.4881

 45.7504, 0.3510,
0.4881


369.8043, 0.3364,
0.4054


 32.0489, 0.3526,
0.5088


 83.8453, 0.3471,
0.4578

 21.3989, 0.3532,
0.5350


 109.0075, 0.3452,
0.4464

 13.4159, 0.3514,
0.5686


 138.7588, 0.3434,
0.4369

 7.7155, 0.3459,
0.6155

 173.4835, 0.3418,
0.4287

 3.9135, 0.3261,
0.6739

 213.5659, 0.3402,
0.4217

 1.6253, 0.2607,
0.7393

259.3906, 0.3388,

 0.3745, 0.0000,

0.4155

1.0000

311.3420, 0.3376,
0.4102

0.0000, 0.0000,
0.0000

45.7504, 0.3510,
0.4881

45.7504, 0.3510,
0.4881

44.7504, 0.3533,
0.5131

46.8960, 0.3467,
0.4605

43.8814, 0.3534,
0.5343

48.1887, 0.3409,
0.4317

43.1354, 0.3512,
0.5504

49.6377, 0.3341,
0.4028

42.4983, 0.3469,
0.5615

51.2495, 0.3266,
0.3749

42.3761, 0.3459,
0.5636

53.0301, 0.3189,
0.3486

■ 54.9851, 0.3111,
0.3241

■ 57.1201, 0.3036,
0.3018

■ 59.4402, 0.2964,
0.2816

■ 61.7877, 0.2913,
0.2658

Harmonies

Analogous

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



45.7504, 0.4255, 0.4631



45.7504, 0.3510, 0.4881



45.7504, 0.2706, 0.4517

Triad

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



45.7504, 0.3510, 0.4881



45.7504, 0.1708, 0.2230



45.7504, 0.4247, 0.2876

Complementary

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



45.7504, 0.3510, 0.4881



14.7978, 0.2460, 0.1638

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.



45.7504, 0.3394, 0.2394



45.7504, 0.3510, 0.4881



45.7504, 0.1989, 0.2024

Square

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



45.7504, 0.3510, 0.4881



45.7504, 0.1726, 0.2770



45.7504, 0.2567, 0.2092



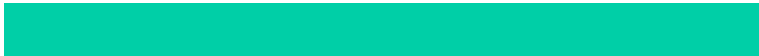
45.7504, 0.4764, 0.3461

Rectangle

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



45.7504, 0.3510, 0.4881



45.7504, 0.2247, 0.3956



45.7504, 0.2567, 0.2092



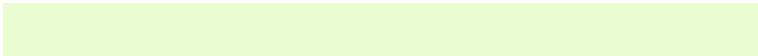
45.7504, 0.3982, 0.2700

Sweetspot

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



45.7524, 0.3510, 0.4881



92.0025, 0.3261, 0.3731



27.9343, 0.4459, 0.3906



20.0118, 0.3276, 0.3787



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.



45.7524, 0.3510, 0.4881



79.6410, 0.3536, 0.5203



41.8823, 0.3097, 0.5107



11.5342, 0.3200, 0.3522



27.5950, 0.3468, 0.5628



1.2324, 0.3627, 0.5502

Inverse Universe

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



14.7978, 0.2460, 0.1638



18.8917, 0.2267, 0.1290



20.3627, 0.3080, 0.1900



9.9566, 0.3049, 0.3057



3.8476, 0.1910, 0.0826



0.2069, 0.2170, 0.0969

Previews

White Background



This preview shows how the Yxy color 45.7504, 0.3510, 0.4881 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 45.7504, 0.3510, 0.4881 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 45.7504, 0.3510, 0.4881

Background



This preview shows how black text looks on a background with the Yxy color 45.7504, 0.3510, 0.4881.



This preview shows how white text looks on a background with the Yxy color 45.7504, 0.3510, 0.4881.

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

45.7504, 0.3510, 0.4881

Protanopia

45.4577, 0.4125, 0.4521

Deuteranopia

45.2192, 0.4310, 0.4220



Tritanopia

45.5213, 0.2838, 0.3089

Trichromacy



Original Color

45.7504, 0.3510, 0.4881

Protanomaly

44.9657, 0.3889, 0.4653

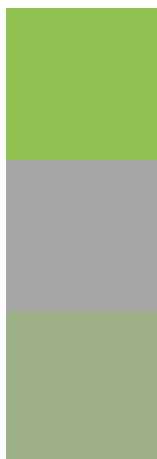
Deuteranomaly

44.7837, 0.4010, 0.4462

Tritanomaly

45.0089, 0.3106, 0.3730

Monochromacy



Original Color

45.7504, 0.3510, 0.4881

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

40.5928, 0.3302, 0.3889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7504, 0.3510, 0.4881 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(146, 195, 82)` looks like.

```
.text, #text, p{  
    color:rgb(146, 195, 82)  
}
```

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(146, 195, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 195, 82) }
```

Border

The CSS property to change the border of an element to Yxy 45.7504, 0.3510, 0.4881 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(146, 195, 82) }
```

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

```
.border{ border-color:rgb(146, 195, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 195, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 195, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 195, 82);  
box-shadow:4px 4px 4px 4px rgb(146, 195,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7504, 0.3510, 0.4881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 195, 82) }
```

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

```
.background{ background-color: rgb(146,  
195, 82) }
```

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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