

Converting Colors

$Yxy(45.9728, 0.3552, 0.4567)$

Have a look what the booklet for
Yxy(45.9728, 0.3552, 0.4567)
contains.

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Color

Yxy(45.7588, 0.3549, 0.4558)

Conversions

Conversions Part 1

Format	Color
Hex	A1BF64
RGB	161, 191, 100
RGB Percent	63%, 75%, 39%
CMY	0.3686, 0.2510, 0.6079
CMYK	0.16, 0.00, 0.48, 0.25
HSL	80°, 42%, 57%
HSV	80°, 48%, 75%
XYZ	35.6292, 45.7588, 19.0043
YIQ	171.6560, 11.3310, -34.6610

Conversions

Conversions Part 2

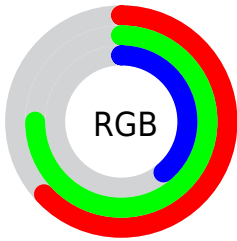
Format	Color
RYB	100, 191, 130
Decimal	10600292
CIELab	73.39, -24.78, 42.35
CIELCh	73, 49.065, 120.333
Yxy	45.7588, 0.3549, 0.4558
Android (android.graphics.Color)	4288790372 (0xFFA1BF64)
YUV	171.6560, -35.3264, -9.3453
Hunter-Lab	67.6453, -24.3620, 30.6947

Details

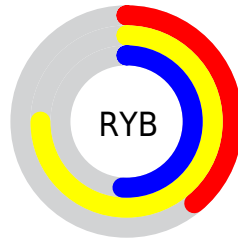
The Yxy color **45.7588, 0.3549, 0.4558** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **17.6150, 0.2511, 0.1910**, and the grayscale version is **41.2500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5731, 0.3488, 0.4310**, and **21.2474, 0.3613, 0.4926** is the 20% darker color. If you saturate the color by 10%, you get **44.7958, 0.3610, 0.4816**, and if you desaturate by 10%, it is **46.8455, 0.3473, 0.4285**.

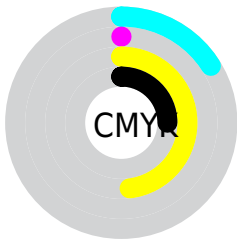
Distribution



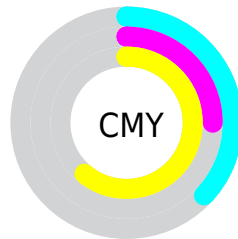
- Red (63%)
- Green (75%)
- Blue (39%)



- Red (39%)
- Yellow (75%)
- Blue (51%)



- Cyan (16%)
- Magenta (0%)
- Yellow (48%)
- Black (25%)





- Cyan (37%)
- Magenta (25%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.7588, 0.3549, 0.4558 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 45.7588, 0.3549, 0.4558 by changing the saturation by 10% instead.


 45.7588, 0.3549,
0.4558


 45.7588, 0.3549,
0.4558


369.8381, 0.3364,
0.3903

 32.0555, 0.3583,
0.4723


 83.8579, 0.3490,
0.4318


 21.4039, 0.3618,
0.4934


 109.0225, 0.3465,
0.4228

 13.4196, 0.3648,
0.5209


 138.7764, 0.3444,
0.4152

 7.7181, 0.3655,
0.5574

 173.5039, 0.3424,
0.4088

 3.9151, 0.3719,
0.6281

213.5894, 0.3407,
0.4032

 1.6262, 0.3308,
0.6692

259.4174, 0.3391,

 0.3752, 0.0000,

0.3984

1.0000

311.3721, 0.3377,
0.3941

■ 0.0000, 0.0000,
0.0000

■ 45.7588, 0.3549,
0.4558

■ 45.7588, 0.3549,
0.4558

■ 44.7958, 0.3610,
0.4816

■ 46.8455, 0.3473,
0.4285

■ 43.9438, 0.3651,
0.5048

■ 48.0557, 0.3386,
0.4008

■ 43.1973, 0.3668,
0.5240


■ 49.3972, 0.3293,
0.3737

■ 42.5477, 0.3661,
0.5386

■ 50.8750, 0.3199,
0.3477


■ 41.9825, 0.3631,
0.5485

■ 52.4940, 0.3105,
0.3235

 41.8575, 0.3623,
0.5505

 54.2588, 0.3015,
0.3011

 56.1738, 0.2929,
0.2806

 58.2431, 0.2849,
0.2621

 59.3354, 0.2880,
0.2609

Harmonies

Analogous

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



45.7588, 0.4136, 0.4361



45.7588, 0.3549, 0.4558



45.7588, 0.2882, 0.4311

Triad

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



45.7588, 0.3549, 0.4558



45.7588, 0.1932, 0.2471



45.7588, 0.3953, 0.2903

Complementary

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



45.7588, 0.3549, 0.4558



17.6150, 0.2511, 0.1910

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.



45.7588, 0.3263, 0.2506



45.7588, 0.3549, 0.4558



45.7588, 0.2142, 0.2248

Square

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



45.7588, 0.3549, 0.4558



45.7588, 0.1987, 0.2965



45.7588, 0.2603, 0.2272



45.7588, 0.4416, 0.3398

Rectangle

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



45.7588, 0.3549, 0.4558



45.7588, 0.2484, 0.3908



45.7588, 0.2603, 0.2272



45.7588, 0.3735, 0.2756

Sweetspot

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



45.7608, 0.3549, 0.4558



89.3482, 0.3261, 0.3646



27.6447, 0.4216, 0.3687



19.4962, 0.3282, 0.3703



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.



45.7608, 0.3549, 0.4558



80.1864, 0.3611, 0.4822



41.9416, 0.3177, 0.4722



10.9587, 0.3215, 0.3520



27.5522, 0.3630, 0.5499



1.1134, 0.3769, 0.5389

Inverse Universe

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



17.6150, 0.2511, 0.1910



23.8743, 0.2342, 0.1591



21.9064, 0.2991, 0.2081



9.3740, 0.3034, 0.3056



3.2047, 0.1751, 0.0738



0.1619, 0.2034, 0.0894

Previews

White Background



This preview shows how the Yxy color 45.7588, 0.3549, 0.4558 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 45.7588, 0.3549, 0.4558 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 45.7588, 0.3549, 0.4558

Background



This preview shows how black text looks on a background with the Yxy color 45.7588, 0.3549, 0.4558.



This preview shows how white text looks on a background with the Yxy color 45.7588, 0.3549, 0.4558.

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

45.7588, 0.3549, 0.4558

Protanopia

45.4928, 0.3979, 0.4338

Deuteranopia

45.5850, 0.4160, 0.4077



Tritanopia

45.4669, 0.2953, 0.3093

Trichromacy



Original Color

45.7588, 0.3549, 0.4558

Protanomaly

45.4583, 0.3824, 0.4423

Deuteranomaly

45.2252, 0.3933, 0.4249

Tritanomaly

45.2541, 0.3188, 0.3620

Monochromacy



Original Color

45.7588, 0.3549, 0.4558

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

42.6404, 0.3299, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7588, 0.3549, 0.4558 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(161, 191, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 191, 100) }
```

Border

The CSS property to change the border of an element to Yxy 45.7588, 0.3549, 0.4558 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, 100) }
```

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

```
.border{ border-color:rgb(161, 191, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 191, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 191, 100);  
box-shadow:4px 4px 4px 4px rgb(161, 191,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7588, 0.3549, 0.4558 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, 100) }
```

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

```
.background{ background-color: rgb(161,  
191, 100) }
```

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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