

Converting Colors

$Yxy(45.8639, 0.2986, 0.4418)$

Have a look what the booklet for
Yxy(45.8639, 0.2986, 0.4418)
contains.

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Color

Yxy(45.8639, 0.2986, 0.4418)

Conversions

Conversions Part 1

Format	Color
Hex	71C77E
RGB	113, 199, 126
RGB Percent	44%, 78%, 49%
CMY	0.5569, 0.2196, 0.5060
CMYK	0.43, 0.00, 0.37, 0.22
HSL	129°, 43%, 61%
HSV	129°, 43%, 78%
XYZ	30.9981, 45.8639, 26.9495
YIQ	164.9640, -27.8230, -40.9350

Conversions

Conversions Part 2

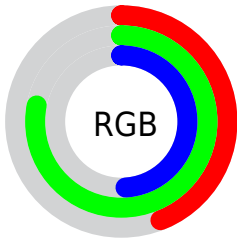
Format	Color
RYB	113, 188, 199
Decimal	7456638
CIELab	73.46, -41.42, 28.66
CIELCh	73, 50.375, 145.318
Yxy	45.8639, 0.2986, 0.4418
Android (android.graphics.Color)	4285646718 (0xFF71C77E)
YUV	164.9640, -19.2093, -45.5724
Hunter-Lab	67.7229, -36.8121, 23.8123

Details

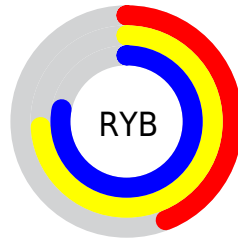
The Yxy color **45.8639, 0.2986, 0.4418** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **27.4996, 0.3316, 0.2379**, and the grayscale version is **37.7125, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.2097, 0.3028, 0.4181**, and **21.3679, 0.2916, 0.4784** is the 20% darker color. If you saturate the color by 10%, you get **44.2875, 0.2962, 0.4733**, and if you desaturate by 10%, it is **47.8072, 0.3016, 0.4116**.

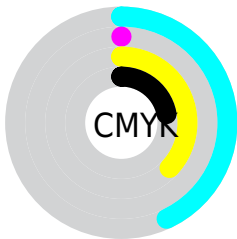
Distribution



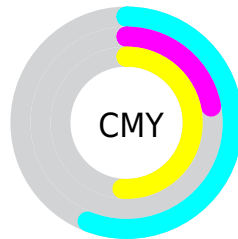
- Red (44%)
- Green (78%)
- Blue (49%)



- Red (44%)
- Yellow (74%)
- Blue (78%)



- Cyan (43%)
- Magenta (0%)
- Yellow (37%)
- Black (22%)





- Cyan (56%)
- Magenta (22%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8639, 0.2986, 0.4418 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 45.8639, 0.2986, 0.4418 by changing the saturation by 10% instead.

 45.8639, 0.2986,
0.4418


 45.8639, 0.2986,
0.4418


370.2612, 0.3077,
0.3818


 32.1384, 0.2956,
0.4579


 84.0153, 0.3024,
0.4192

 21.4673, 0.2913,
0.4791


 109.2100, 0.3037,
0.4109

 13.4660, 0.2847,
0.5084


 138.9965, 0.3047,
0.4040

 7.7502, 0.2738,
0.5508

173.7594, 0.3055,
0.3982

 3.9355, 0.2538,
0.6170

213.8829, 0.3062,
0.3932

 1.6376, 0.1982,
0.8018

259.7514, 0.3068,

 0.3827, 0.0000,

0.3889

1.0000

311.7494, 0.3072,
0.3851

0.0000, 0.0000,
0.0000

45.8639, 0.2986,
0.4418

45.8639, 0.2986,
0.4418

44.2875, 0.2962,
0.4733

47.8072, 0.3016,
0.4116

43.0494, 0.2945,
0.5045

50.1324, 0.3049,
0.3835

42.1262, 0.2938,
0.5337


52.8608, 0.3083,
0.3582


41.4887, 0.2942,
0.5589

56.0103, 0.3116,
0.3357

41.1022, 0.2955,
0.5783

59.5977, 0.3149,
0.3159

 40.9431, 0.2966,
0.5879

 63.6389, 0.3180,
0.2987

 68.1492, 0.3209,
0.2839

 69.3293, 0.3153,
0.2742

Harmonies

Analogous

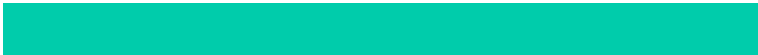
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.8639, 0.3668, 0.4585



45.8639, 0.2986, 0.4418



45.8639, 0.2379, 0.3803

Triad

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



45.8639, 0.2986, 0.4418



45.8639, 0.2065, 0.2244



45.8639, 0.4396, 0.3309

Complementary

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



45.8639, 0.2986, 0.4418



27.4996, 0.3316, 0.2379

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.



45.8639, 0.3865, 0.2817



45.8639, 0.2986, 0.4418



45.8639, 0.2495, 0.2230

Square

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



45.8639, 0.2986, 0.4418



45.8639, 0.1896, 0.2515



45.8639, 0.3143, 0.2435



45.8639, 0.4525, 0.3839

Rectangle

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



45.8639, 0.2986, 0.4418



45.8639, 0.2094, 0.3300



45.8639, 0.3143, 0.2435



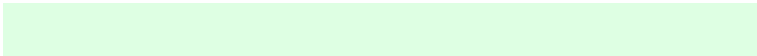
45.8639, 0.4257, 0.3137

Sweetspot

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



45.8658, 0.2986, 0.4418



92.5638, 0.3083, 0.3581



52.4937, 0.3651, 0.4388



19.5699, 0.3075, 0.3635



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.



45.8658, 0.2986, 0.4418



77.6521, 0.2962, 0.4718



47.2210, 0.2721, 0.3736



11.9135, 0.3096, 0.3492



26.3341, 0.2962, 0.5863



1.2555, 0.2870, 0.5532

Inverse Universe

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



27.4996, 0.3316, 0.2379



41.2752, 0.3369, 0.2198



25.9395, 0.3843, 0.2896



10.7880, 0.3160, 0.3096



9.6593, 0.3627, 0.1772



0.4650, 0.3527, 0.1716

Previews

White Background



This preview shows how the Yxy color 45.8639, 0.2986, 0.4418 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 45.8639, 0.2986, 0.4418 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

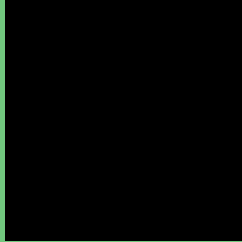
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.8639, 0.2986, 0.4418

Background



This preview shows how black text looks on a background with the Yxy color 45.8639, 0.2986, 0.4418.



This preview shows how white text looks on a background with the Yxy color 45.8639, 0.2986, 0.4418.

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

45.8639, 0.2986, 0.4418

Protanopia

45.1503, 0.3785, 0.4079

Deuteranopia

45.1680, 0.3860, 0.3784



Tritanopia

45.5488, 0.2587, 0.3067

Trichromacy



Original Color

45.8639, 0.2986, 0.4418



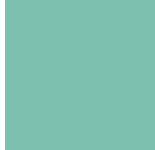
Protanomaly

44.4976, 0.3453, 0.4207



Deuteranomaly

44.2977, 0.3496, 0.4006



Tritanomaly

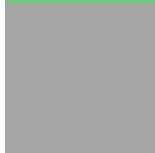
45.5596, 0.2735, 0.3538

Monochromacy



Original Color

45.8639, 0.2986, 0.4418



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

39.7896, 0.3066, 0.3679

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8639, 0.2986, 0.4418 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(113, 199, 126)` looks like.

```
.text, #text, p{  
    color:rgb(113, 199, 126)  
}
```

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(113, 199, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 199, 126) }
```

Border

The CSS property to change the border of an element to Yxy 45.8639, 0.2986, 0.4418 is called "border". The border property can be set on classes, ids or directly on the HTML element.

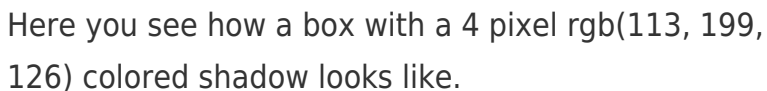
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 199, 126) }
```

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

```
.border{ border-color:rgb(113, 199, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 199, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 199, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 199, 126); box-shadow:4px 4px 4px 4px rgb(113, 199, 126) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8639, 0.2986, 0.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 199, 126) }
```

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

```
.background{ background-color: rgb(113,  
199, 126) }
```

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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