

Converting Colors

$Yxy(45.4187, 0.2865, 0.3987)$

Have a look what the booklet for
Yxy(45.4187, 0.2865, 0.3987)
contains.

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Color

Yxy(45.5334, 0.2866, 0.3988)

Conversions

Conversions Part 1

Format	Color
Hex	76C496
RGB	118, 196, 150
RGB Percent	46%, 77%, 59%
CMY	0.5370, 0.2314, 0.4117
CMYK	0.40, 0.00, 0.23, 0.23
HSL	145°, 40%, 62%
HSV	145°, 40%, 77%
XYZ	32.7228, 45.5334, 35.9198
YIQ	167.4340, -31.7220, -30.8420

Conversions

Conversions Part 2

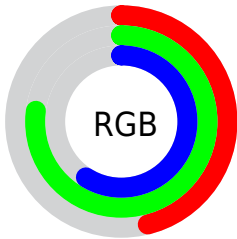
Format	Color
RYB	118, 173, 196
Decimal	7783574
CIELab	73.24, -34.23, 15.67
CIELCh	73, 37.645, 155.399
Yxy	45.5334, 0.2866, 0.3988
Android (android.graphics.Color)	4285973654 (0xFF76C496)
YUV	167.4340, -8.5950, -43.3536
Hunter-Lab	67.4784, -31.5259, 15.6740

Details

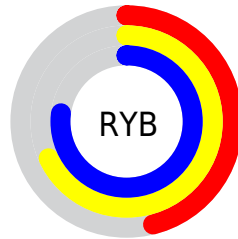
The Yxy color **45.5334, 0.2866, 0.3988** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.3896, 0.3529, 0.2688**, and the grayscale version is **38.9287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4944, 0.2920, 0.3854**, and **21.3368, 0.2777, 0.4220** is the 20% darker color. If you saturate the color by 10%, you get **43.9473, 0.2817, 0.4204**, and if you desaturate by 10%, it is **47.4451, 0.2925, 0.3786**.

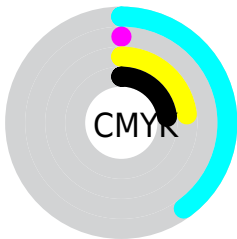
Distribution



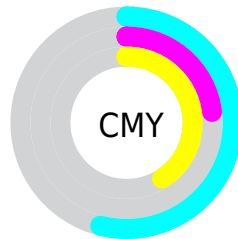
- Red (46%)
- Green (77%)
- Blue (59%)



- Red (46%)
- Yellow (68%)
- Blue (77%)



- Cyan (40%)
- Magenta (0%)
- Yellow (23%)
- Black (23%)




- Cyan (54%)
- Magenta (23%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5334, 0.2866, 0.3988 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 45.5334, 0.2866, 0.3988 by changing the saturation by 10% instead.


 45.5334, 0.2866,
0.3988

 45.5334, 0.2866,
0.3988


368.9296, 0.3005,
0.3622


 31.8778, 0.2829,
0.4085


 83.5203, 0.2918,
0.3851

 21.2682, 0.2779,
0.4213


 108.6203, 0.2938,
0.3800

 13.3202, 0.2710,
0.4390


 138.3039, 0.2953,
0.3758

 7.6494, 0.2607,
0.4649

172.9555, 0.2967,
0.3723

 3.8714, 0.2441,
0.5060

212.9595, 0.2978,
0.3692

 1.6019, 0.2097,
0.6022

258.7002, 0.2988,

 0.3589, 0.0000,

0.3666

1.0000

310.5621, 0.2997,
0.3642

0.0000, 0.0000,
0.0000

45.5334, 0.2866,
0.3988

45.5334, 0.2866,
0.3988

43.9473, 0.2817,
0.4204

47.4451, 0.2925,
0.3786

42.6625, 0.2780,
0.4430

49.6941, 0.2990,
0.3602

41.6598, 0.2760,
0.4661


52.2984, 0.3059,
0.3435

40.9156, 0.2758,
0.4888


55.2728, 0.3129,
0.3287

40.4021, 0.2775,
0.5103


58.6315, 0.3199,
0.3155


 40.0682, 0.2806,
0.5300

 62.3877, 0.3267,
0.3040

 40.0610, 0.2807,
0.5304

 66.5048, 0.3331,
0.2938

 67.1800, 0.3244,
0.2827

 67.8993, 0.3161,
0.2720

Harmonies

Analogous

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



45.5334, 0.3386, 0.4244



45.5334, 0.2866, 0.3988



45.5334, 0.2440, 0.3491

Triad

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



45.5334, 0.2866, 0.3988



45.5334, 0.2400, 0.2456



45.5334, 0.4148, 0.3466

Complementary

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



45.5334, 0.2866, 0.3988



27.3896, 0.3529, 0.2688

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.



45.5334, 0.3840, 0.3057



45.5334, 0.2866, 0.3988



45.5334, 0.2803, 0.2500

Square

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



45.5334, 0.2866, 0.3988



45.5334, 0.2192, 0.2612



45.5334, 0.3332, 0.2714



45.5334, 0.4148, 0.3871

Rectangle

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



45.5334, 0.2866, 0.3988



45.5334, 0.2258, 0.3136



45.5334, 0.3332, 0.2714



45.5334, 0.4076, 0.3326

Sweetspot

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



45.5353, 0.2866, 0.3988



93.5423, 0.3042, 0.3474



48.7668, 0.3443, 0.4362



19.8844, 0.3033, 0.3496



0.0000, 0.0000, 0.0000



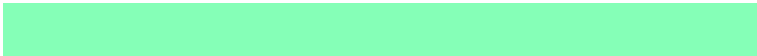
21.4041, 0.3127, 0.3290

Same Dimension

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



45.5353, 0.2866, 0.3988



79.8832, 0.2821, 0.4182



46.9726, 0.2629, 0.3401



11.3257, 0.3061, 0.3429



25.7591, 0.2799, 0.5278



1.1267, 0.2673, 0.4822

Inverse Universe

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



27.3896, 0.3529, 0.2688



42.3255, 0.3659, 0.2557



26.2100, 0.4014, 0.3188



10.1754, 0.3199, 0.3155



8.3635, 0.4563, 0.2287



0.3748, 0.4183, 0.2078

Previews

White Background



This preview shows how the Yxy color 45.5334, 0.2866, 0.3988 looks on a white background.

Color Contrast Check

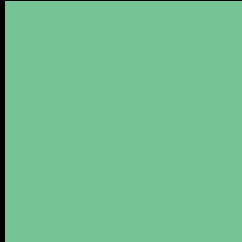
Large Text (above 18pt) WCAG AA × Fail

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 45.5334, 0.2866, 0.3988 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 45.5334, 0.2866, 0.3988

Background



This preview shows how black text looks on a background with the Yxy color 45.5334, 0.2866, 0.3988.



This preview shows how white text looks on a background with the Yxy color 45.5334, 0.2866, 0.3988.

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

45.5334, 0.2866, 0.3988

Protanopia

45.1403, 0.3536, 0.3779

Deuteranopia

44.8507, 0.3583, 0.3505



Tritanopia

45.5007, 0.2593, 0.3081

Trichromacy



Original Color

45.5334, 0.2866, 0.3988



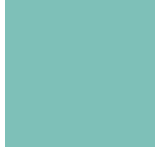
Protanomaly

44.6348, 0.3261, 0.3854



Deuteranomaly

44.2319, 0.3283, 0.3676



Tritanomaly

45.5956, 0.2696, 0.3404

Monochromacy



Original Color

45.5334, 0.2866, 0.3988



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

40.8036, 0.3013, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.5334, 0.2866, 0.3988 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(118, 196, 150)` looks like.

```
.text, #text, p{  
    color:rgb(118, 196, 150)  
}
```

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(118, 196, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 196, 150) }
```

Border

The CSS property to change the border of an element to Yxy 45.5334, 0.2866, 0.3988 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(118, 196, 150) }
```

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

```
.border{ border-color:rgb(118, 196, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 196, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 196, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 196, 150);  
box-shadow:4px 4px 4px 4px rgb(118, 196,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 45.5334, 0.2866, 0.3988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 196, 150) }
```

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

```
.background{ background-color: rgb(118,  
196, 150) }
```

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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