

Converting Colors

$Yxy(45.6105, 0.2917, 0.4248)$

Have a look what the booklet for
Yxy(45.6105, 0.2917, 0.4248)
contains.

Yxy(45.6105, 0.2917, 0.4248)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.6105, 0.2917, 0.4248)

Conversions

Conversions Part 1

Format	Color
Hex	70C688
RGB	112, 198, 136
RGB Percent	44%, 78%, 53%
CMY	0.5608, 0.2235, 0.4667
CMYK	0.43, 0.00, 0.31, 0.22
HSL	137°, 43%, 61%
HSV	137°, 43%, 78%
XYZ	31.3196, 45.6105, 30.4392
YIQ	165.2180, -31.3540, -37.5140

Conversions

Conversions Part 2

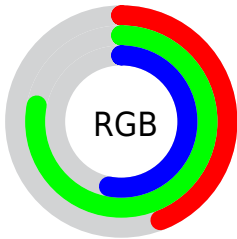
Format	Color
RYB	112, 179, 198
Decimal	7390856
CIELab	73.29, -39.53, 23.18
CIElCh	73, 45.821, 149.613
Yxy	45.6105, 0.2917, 0.4248
Android (android.graphics.Color)	4285580936 (0xFF70C688)
YUV	165.2180, -14.4045, -46.6722
Hunter-Lab	67.5355, -35.4078, 20.5521

Details

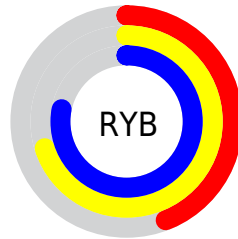
The Yxy color **45.6105, 0.2917, 0.4248** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.6531, 0.3444, 0.2499**, and the grayscale version is **37.8196, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4532, 0.2960, 0.4050**, and **21.1867, 0.2832, 0.4549** is the 20% darker color. If you saturate the color by 10%, you get **44.0739, 0.2883, 0.4519**, and if you desaturate by 10%, it is **47.4906, 0.2959, 0.3992**.

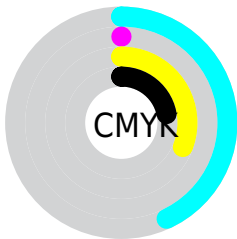
Distribution



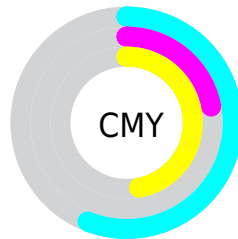
- Red (44%)
- Green (78%)
- Blue (53%)



- Red (44%)
- Yellow (70%)
- Blue (78%)



- Cyan (43%)
- Magenta (0%)
- Yellow (31%)
- Black (22%)





- Cyan (56%)
- Magenta (22%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6105, 0.2917, 0.4248 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 45.6105, 0.2917, 0.4248 by changing the saturation by 10% instead.


 45.6105, 0.2917,
0.4248

 45.6105, 0.2917,
0.4248


369.2405, 0.3037,
0.3740


 31.9386, 0.2882,
0.4384


 83.6358, 0.2964,
0.4057

 21.3146, 0.2834,
0.4564


 108.7579, 0.2981,
0.3987

 13.3541, 0.2764,
0.4813


 138.4656, 0.2994,
0.3928

 7.6729, 0.2654,
0.5178

173.1431, 0.3006,
0.3879

 3.8863, 0.2464,
0.5753

213.1750, 0.3015,
0.3837

 1.6102, 0.2122,
0.7878

258.9456, 0.3023,

 0.3645, 0.0000,

0.3800

1.0000

310.8393, 0.3031,
0.3768

0.0000, 0.0000,
0.0000

45.6105, 0.2917,
0.4248

45.6105, 0.2917,
0.4248

44.0739, 0.2883,
0.4519

47.4906, 0.2959,
0.3992

42.8540, 0.2861,
0.4795

49.7277, 0.3007,
0.3755

41.9292, 0.2854,
0.5064

52.3414, 0.3058,
0.3541


41.2728, 0.2861,
0.5314

55.3483, 0.3109,
0.3350


40.8526, 0.2884,
0.5531

58.7640, 0.3161,
0.3182

 40.6679, 0.2903,
0.5652

 62.6031, 0.3210,
0.3035

 66.8796, 0.3258,
0.2906

 68.5661, 0.3187,
0.2776

 68.8701, 0.3153,
0.2732

Harmonies

Analogous

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



45.6105, 0.3544, 0.4473



45.6105, 0.2917, 0.4248



45.6105, 0.2378, 0.3660

Triad

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



45.6105, 0.2917, 0.4248



45.6105, 0.2191, 0.2311



45.6105, 0.4325, 0.3387

Complementary

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



45.6105, 0.2917, 0.4248



26.6531, 0.3444, 0.2499

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.



45.6105, 0.3886, 0.2918



45.6105, 0.2917, 0.4248



45.6105, 0.2624, 0.2326

Square

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



45.6105, 0.2917, 0.4248



45.6105, 0.1997, 0.2532



45.6105, 0.3240, 0.2543



45.6105, 0.4391, 0.3876

Rectangle

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



45.6105, 0.2917, 0.4248



45.6105, 0.2136, 0.3211



45.6105, 0.3240, 0.2543



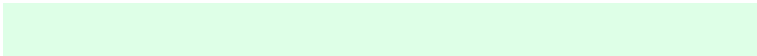
45.6105, 0.4216, 0.3224

Sweetspot

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



45.6124, 0.2917, 0.4248



92.8007, 0.3059, 0.3536



50.6823, 0.3566, 0.4428



19.6277, 0.3047, 0.3582



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.



45.6124, 0.2917, 0.4248



78.2030, 0.2885, 0.4501



47.0471, 0.2659, 0.3584



11.9357, 0.3079, 0.3461



26.4588, 0.2897, 0.5630



1.2655, 0.2776, 0.5194

Inverse Universe

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



26.6531, 0.3444, 0.2499



40.3409, 0.3538, 0.2343



25.2641, 0.3983, 0.3026



10.7642, 0.3179, 0.3125



9.1084, 0.4058, 0.2009



0.4431, 0.3842, 0.1890

Previews

White Background



This preview shows how the Yxy color 45.6105, 0.2917, 0.4248 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 45.6105, 0.2917, 0.4248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

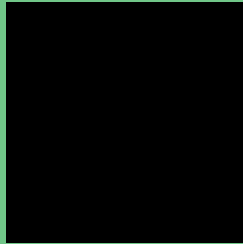
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.6105, 0.2917, 0.4248

Background



This preview shows how black text looks on a background with the Yxy color 45.6105, 0.2917, 0.4248.



This preview shows how white text looks on a background with the Yxy color 45.6105, 0.2917, 0.4248.

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

45.6105, 0.2917, 0.4248

Protanopia

45.1362, 0.3683, 0.3957

Deuteranopia

45.0134, 0.3740, 0.3666



Tritanopia

45.3150, 0.2569, 0.3066

Trichromacy



Original Color

45.6105, 0.2917, 0.4248



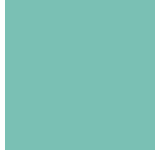
Protanomaly

44.6490, 0.3368, 0.4068



Deuteranomaly

43.9399, 0.3399, 0.3858



Tritanomaly

45.1321, 0.2695, 0.3464

Monochromacy



Original Color

45.6105, 0.2917, 0.4248



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

39.8884, 0.3042, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6105, 0.2917, 0.4248 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(112, 198, 136)` looks like.

```
.text, #text, p{  
    color:rgb(112, 198, 136)  
}
```

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(112, 198, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 198, 136) }
```

Border

The CSS property to change the border of an element to Yxy 45.6105, 0.2917, 0.4248 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(112, 198, 136) }
```

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

```
.border{ border-color:rgb(112, 198, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 198, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 198, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 198, 136);  
box-shadow:4px 4px 4px 4px rgb(112, 198,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6105, 0.2917, 0.4248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 198, 136) }
```

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

```
.background{ background-color: rgb(112,  
198, 136) }
```

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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