

Converting Colors

$Yxy(45.8782, 0.3103, 0.4408)$

Have a look what the booklet for
Yxy(45.8782, 0.3103, 0.4408)
contains.

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Color

Yxy(45.8746, 0.3103, 0.4408)

Conversions

Conversions Part 1

Format	Color
Hex	7FC57B
RGB	127, 197, 123
RGB Percent	50%, 77%, 48%
CMY	0.5020, 0.2274, 0.5175
CMYK	0.36, 0.00, 0.38, 0.23
HSL	117°, 39%, 63%
HSV	117°, 38%, 77%
XYZ	32.2933, 45.8746, 25.9033
YIQ	167.6340, -17.9660, -37.8540

Conversions

Conversions Part 2

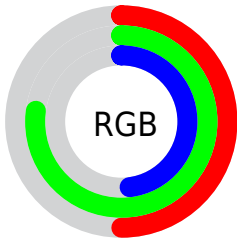
Format	Color
RYB	123, 197, 193
Decimal	8373627
CIELab	73.46, -36.73, 30.32
CIElCh	73, 47.626, 140.456
Yxy	45.8746, 0.3103, 0.4408
Android (android.graphics.Color)	4286563707 (0xFF7FC57B)
YUV	167.6340, -22.0046, -35.6360
Hunter-Lab	67.7308, -33.4220, 24.7364

Details

The Yxy color **45.8746, 0.3103, 0.4408** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **29.5527, 0.3129, 0.2361**, and the grayscale version is **39.0858, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9633, 0.3120, 0.4187**, and **21.5818, 0.3066, 0.4778** is the 20% darker color. If you saturate the color by 10%, you get **44.1299, 0.3091, 0.4760**, and if you desaturate by 10%, it is **47.9875, 0.3112, 0.4070**.

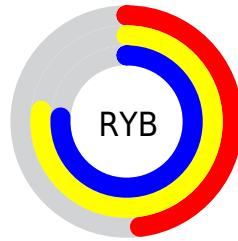
Distribution



Red (50%)

Green (77%)

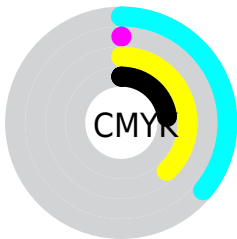
Blue (48%)



Red (48%)

Yellow (77%)

Blue (76%)

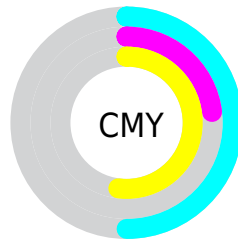


Cyan (36%)

Magenta (0%)

Yellow (38%)

Black (23%)



Cyan (50%)


Magenta (23%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8746, 0.3103, 0.4408 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 45.8746, 0.3103, 0.4408 by changing the saturation by 10% instead.

 45.8746, 0.3103,
0.4408


 45.8746, 0.3103,
0.4408


370.3043, 0.3135,
0.3816


 32.1469, 0.3088,
0.4565

 84.0313, 0.3120,
0.4186

 21.4737, 0.3063,
0.4772


 109.2291, 0.3124,
0.4104

 13.4707, 0.3022,
0.5056


 139.0190, 0.3128,
0.4036

 7.7535, 0.2945,
0.5463

173.7854, 0.3130,
0.3979

 3.9376, 0.2797,
0.6105

213.9127, 0.3132,
0.3929

 1.6387, 0.2409,
0.7591

259.7854, 0.3133,


 0.3835, 0.0000,


0.3887


1.0000


311.7878, 0.3134,
0.3849


 0.0000, 0.0000,
0.0000

 45.8746, 0.3103,
0.4408


 45.8746, 0.3103,
0.4408

 44.1299, 0.3091,
0.4760


 47.9875, 0.3112,
0.4070

 42.7270, 0.3076,
0.5107


 50.4818, 0.3120,
0.3759


 41.6451, 0.3060,
0.5424


 53.3772, 0.3125,
0.3479


 40.8588, 0.3042,
0.5686


 56.6902, 0.3128,
0.3233


 40.3387, 0.3026,
0.5871

 60.4364, 0.3130,
0.3018

 40.0478, 0.3012,
0.5973

 64.6309, 0.3131,
0.2832

 40.0028, 0.3010,
0.5992

 68.4150, 0.3154,
0.2722

Harmonies

Analogous

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



45.8746, 0.3745, 0.4497



45.8746, 0.3103, 0.4408



45.8746, 0.2501, 0.3885

Triad

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



45.8746, 0.3103, 0.4408



45.8746, 0.2072, 0.2320



45.8746, 0.4268, 0.3233

Complementary

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



45.8746, 0.3103, 0.4408



29.5527, 0.3129, 0.2361

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.



45.8746, 0.3720, 0.2773



45.8746, 0.3103, 0.4408



45.8746, 0.2445, 0.2266

Square

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



45.8746, 0.3103, 0.4408



45.8746, 0.1951, 0.2625



45.8746, 0.3035, 0.2431



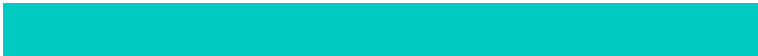
45.8746, 0.4460, 0.3739

Rectangle

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



45.8746, 0.3103, 0.4408



45.8746, 0.2202, 0.3417



45.8746, 0.3035, 0.2431



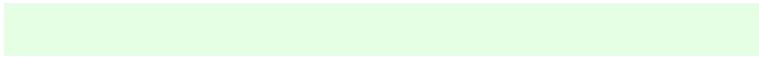
45.8746, 0.4117, 0.3071

Sweetspot

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



45.8765, 0.3103, 0.4408



93.6301, 0.3123, 0.3577



51.0340, 0.3706, 0.4159



19.8865, 0.3122, 0.3615



0.0000, 0.0000, 0.0000



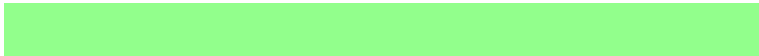
21.4041, 0.3127, 0.3290

Same Dimension

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



45.8765, 0.3103, 0.4408



79.5654, 0.3093, 0.4694



46.5184, 0.2867, 0.3915



11.9144, 0.3124, 0.3528



26.3216, 0.3013, 0.5990



1.2559, 0.3060, 0.5952

Inverse Universe

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



29.5527, 0.3129, 0.2361



46.1679, 0.3126, 0.2171



28.7613, 0.3520, 0.2743



10.7867, 0.3129, 0.3062



9.5710, 0.3077, 0.1469



0.4622, 0.3107, 0.1485

Previews

White Background



This preview shows how the Yxy color 45.8746, 0.3103, 0.4408 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 45.8746, 0.3103, 0.4408 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 45.8746, 0.3103, 0.4408

Background



This preview shows how black text looks on a background with the Yxy color 45.8746, 0.3103, 0.4408.



This preview shows how white text looks on a background with the Yxy color 45.8746, 0.3103, 0.4408.

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

45.8746, 0.3103, 0.4408

Protanopia

45.5056, 0.3796, 0.4115

Deuteranopia

45.2362, 0.3896, 0.3819



Tritanopia

45.5557, 0.2680, 0.3084

Trichromacy



Original Color

45.8746, 0.3103, 0.4408

Protanomaly

44.9958, 0.3514, 0.4220

Deuteranomaly

44.5251, 0.3580, 0.4020

Tritanomaly

45.5971, 0.2840, 0.3548

Monochromacy



Original Color

45.8746, 0.3103, 0.4408

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

41.2795, 0.3117, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8746, 0.3103, 0.4408 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(127, 197, 123)` looks like.

```
.text, #text, p{  
    color:rgb(127, 197, 123)  
}
```

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(127, 197, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 197, 123) }
```

Border

The CSS property to change the border of an element to Yxy 45.8746, 0.3103, 0.4408 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(127, 197, 123) }
```

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

```
.border{ border-color:rgb(127, 197, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 197, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 197, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 197, 123);  
box-shadow:4px 4px 4px 4px rgb(127, 197,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8746, 0.3103, 0.4408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 197, 123) }
```

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

```
.background{ background-color: rgb(127,  
197, 123) }
```

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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