

Converting Colors

Yxy(51.7808, 0.3483, 0.4671)

Have a look what the booklet for
Yxy(51.7808, 0.3483, 0.4671)
contains.

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Color

Yxy(51.6186, 0.3480, 0.4667)

Conversions

Conversions Part 1

Format	Color
Hex	A0CC66
RGB	160, 204, 102
RGB Percent	63%, 80%, 40%
CMY	0.3725, 0.2000, 0.6001
CMYK	0.22, 0.00, 0.50, 0.20
HSL	86°, 50%, 60%
HSV	86°, 50%, 80%
XYZ	38.4900, 51.6186, 20.4948
YIQ	179.2160, 6.5180, -41.0500

Conversions

Conversions Part 2

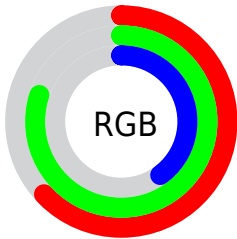
Format	Color
RYB	102, 204, 146
Decimal	10538086
CIELab	77.05, -31.17, 45.82
CIELCh	77, 55.412, 124.227
Yxy	51.6186, 0.3480, 0.4667
Android (android.graphics.Color)	4288728166 (0xFFA0CC66)
YUV	179.2160, -38.0675, -16.8524
Hunter-Lab	71.8461, -30.1032, 33.3792

Details

The Yxy color **51.6186, 0.3480, 0.4667** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **19.9610, 0.2570, 0.1866**, and the grayscale version is **45.4063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4855, 0.3450, 0.4361**, and **25.1159, 0.3516, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **50.3903, 0.3519, 0.4939**, and if you desaturate by 10%, it is **53.0151, 0.3424, 0.4380**.

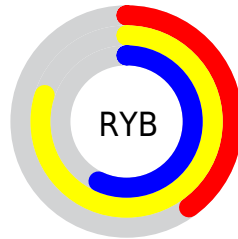
Distribution



Red (63%)

Green (80%)

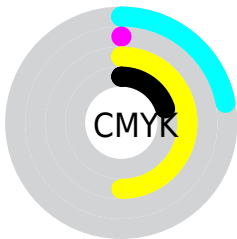
Blue (40%)



Red (40%)

Yellow (80%)

Blue (57%)

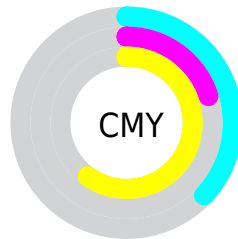


Cyan (22%)

Magenta (0%)

Yellow (50%)

Black (20%)



Cyan (37%)


Magenta (20%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.6186, 0.3480, 0.4667 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 51.6186, 0.3480, 0.4667 by changing the saturation by 10% instead.


 51.6186, 0.3480,
0.4667


 51.6186, 0.3480,
0.4667


392.9624, 0.3339,
0.3965


 36.7012, 0.3501,
0.4841


 92.5685, 0.3439,
0.4411


 24.9762, 0.3519,
0.5062


 119.3698, 0.3420,
0.4315

 16.0593, 0.3526,
0.5346


 150.9011, 0.3403,
0.4234

 9.5661, 0.3504,
0.5722

 187.5469, 0.3388,
0.4164

 5.1123, 0.3512,
0.6415

229.6915, 0.3374,
0.4104

 2.3133, 0.3119,
0.6881

277.7194, 0.3361,

 0.7807, 0.0000,

0.4052

1.0000

332.0149, 0.3350,
0.4006

■ 0.0000, 0.0000,
0.0000

■ 51.6186, 0.3480,
0.4667

■ 51.6186, 0.3480,
0.4667

■ 50.3903, 0.3519,
0.4939

■ 53.0151, 0.3424,
0.4380

■ 49.3146, 0.3538,
0.5182

■ 54.5811, 0.3357,
0.4090

■ 48.3840, 0.3534,
0.5383

■ 56.3259, 0.3283,
0.3808

■ 47.5870, 0.3506,
0.5532

■ 58.2567, 0.3205,
0.3540

■ 46.9046, 0.3460,
0.5634

■ 60.3797, 0.3127,
0.3290

■ 62.7010, 0.3051,
0.3062

■ 65.2266, 0.2978,
0.2855

■ 67.2897, 0.2973,
0.2764

■ 68.7844, 0.3036,
0.2774

Harmonies

Analogous

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



51.6186, 0.4136, 0.4487



51.6186, 0.3480, 0.4667



51.6186, 0.2766, 0.4336

Triad

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



51.6186, 0.3480, 0.4667



51.6186, 0.1860, 0.2357



51.6186, 0.4108, 0.2935

Complementary

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



51.6186, 0.3480, 0.4667



19.9610, 0.2570, 0.1866

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.



51.6186, 0.3371, 0.2495



51.6186, 0.3480, 0.4667



51.6186, 0.2118, 0.2162

Square

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



51.6186, 0.3480, 0.4667



51.6186, 0.1879, 0.2845



51.6186, 0.2642, 0.2221



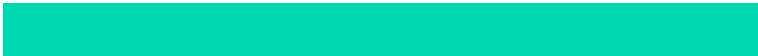
51.6186, 0.4558, 0.3467

Rectangle

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



51.6186, 0.3480, 0.4667



51.6186, 0.2356, 0.3862



51.6186, 0.2642, 0.2221



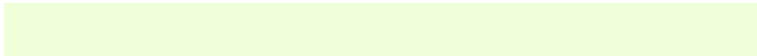
51.6186, 0.3880, 0.2774

Sweetspot

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



51.6209, 0.3480, 0.4667



94.7830, 0.3246, 0.3676



33.8881, 0.4226, 0.3835



20.1431, 0.3262, 0.3734



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.



51.6209, 0.3480, 0.4667



83.3052, 0.3521, 0.4959



47.4900, 0.3107, 0.4842



12.8466, 0.3200, 0.3524



29.5777, 0.3470, 0.5627



1.5702, 0.3608, 0.5517

Inverse Universe

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



19.9610, 0.2570, 0.1866



25.0415, 0.2413, 0.1552



25.5238, 0.3091, 0.2061



11.0765, 0.3049, 0.3055



4.1003, 0.1904, 0.0823



0.2560, 0.2129, 0.0946

Previews

White Background



This preview shows how the Yxy color 51.6186, 0.3480, 0.4667 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 51.6186, 0.3480, 0.4667 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 51.6186, 0.3480, 0.4667

Background



This preview shows how black text looks on a background with the Yxy color 51.6186, 0.3480, 0.4667.



This preview shows how white text looks on a background with the Yxy color 51.6186, 0.3480, 0.4667.

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

51.6186, 0.3480, 0.4667

Protanopia

51.2453, 0.4011, 0.4386

Deuteranopia

51.1194, 0.4188, 0.4102



Tritanopia

51.2520, 0.2873, 0.3088

Trichromacy



Original Color

51.6186, 0.3480, 0.4667

Protanomaly

51.0074, 0.3806, 0.4489

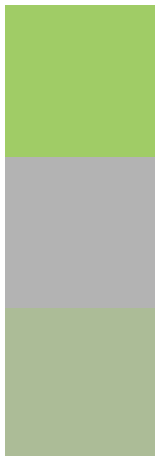
Deuteranomaly

50.4149, 0.3918, 0.4297

Tritanomaly

50.7794, 0.3110, 0.3651

Monochromacy



Original Color

51.6186, 0.3480, 0.4667

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.9715, 0.3279, 0.3795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6186, 0.3480, 0.4667 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(160, 204, 102)` looks like.

```
.text, #text, p{  
    color:rgb(160, 204, 102)  
}
```

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(160, 204, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 204, 102) }
```

Border

The CSS property to change the border of an element to Yxy 51.6186, 0.3480, 0.4667 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(160, 204, 102) }
```

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

```
.border{ border-color:rgb(160, 204, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 204, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 204, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 204, 102);  
box-shadow:4px 4px 4px 4px rgb(160, 204,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6186, 0.3480, 0.4667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 204, 102) }
```

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

```
.background{ background-color: rgb(160,  
204, 102) }
```

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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