

# Converting Colors

Yxy(51.7562, 0.3070, 0.4471)

Have a look what the booklet for  
Yxy(51.7562, 0.3070, 0.4471)  
contains.

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**Color**

**Yxy(51.7486, 0.3072, 0.4466)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80D180
RGB	128, 209, 128
RGB Percent	50%, 82%, 50%
CMY	0.4981, 0.1804, 0.4981
CMYK	0.39, 0.00, 0.39, 0.18
HSL	120°, 47%, 66%
HSV	120°, 39%, 82%
XYZ	35.5960, 51.7486, 28.5278
YIQ	175.5470, -22.2750, -42.3630

# Conversions

## Conversions Part 2

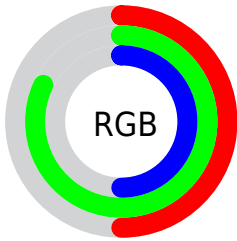
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 209, 209
Decimal	8442240
CIELab	77.13, -41.02, 32.59
CIELCh	77, 52.391, 141.530
Yxy	51.7486, 0.3072, 0.4466
Android (android.graphics.Color)	4286632320 (0xFF80D180)
YUV	175.5470, -23.4407, -41.6987
Hunter-Lab	71.9365, -37.5626, 26.8430

# Details

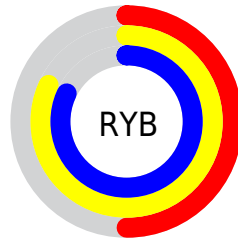
The Yxy color **51.7486, 0.3072, 0.4466** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **33.5939, 0.3172, 0.2341**, and the grayscale version is **43.2993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.0877, 0.3100, 0.4123**, and **25.0777, 0.3016, 0.4825** is the 20% darker color. If you saturate the color by 10%, you get **49.7990, 0.3055, 0.4825**, and if you desaturate by 10%, it is **54.1497, 0.3088, 0.4120**.

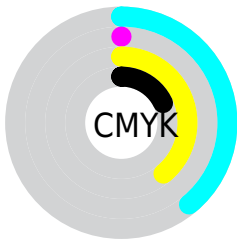
# Distribution



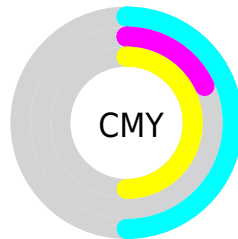
- Red (50%)
- Green (82%)
- Blue (50%)



- Red (50%)
- Yellow (82%)
- Blue (82%)



- Cyan (39%)
- Magenta (0%)
- Yellow (39%)
- Black (18%)




- Cyan (50%)
- Magenta (18%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7486, 0.3072, 0.4466 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 51.7486, 0.3072, 0.4466 by changing the saturation by 10% instead.



 51.7486, 0.3072,  
0.4466

 51.7486, 0.3072,  
0.4466


393.4653, 0.3121,  
0.3853

 36.8047, 0.3053,  
0.4625


 92.7604, 0.3095,  
0.4238

 25.0563, 0.3023,  
0.4832


 119.5971, 0.3102,  
0.4154

 16.1190, 0.2976,  
0.5111


 151.1668, 0.3107,  
0.4084

 9.6084, 0.2894,  
0.5504

187.8540, 0.3111,  
0.4024

 5.1401, 0.2739,  
0.6087

230.0431, 0.3115,  
0.3972

 2.3297, 0.2559,  
0.7441

278.1184, 0.3117,

 0.7894, 0.0000,

0.3928

1.0000

332.4643, 0.3119,  
0.3888

0.0000, 0.0000,  
0.0000

51.7486, 0.3072,  
0.4466

51.7486, 0.3072,  
0.4466

49.7990, 0.3055,  
0.4825

54.1497, 0.3088,  
0.4120

48.2667, 0.3039,  
0.5175

57.0210, 0.3103,  
0.3800

47.1231, 0.3024,  
0.5489


60.3881, 0.3117,  
0.3513

46.3334, 0.3012,  
0.5739

64.2729, 0.3129,  
0.3261

45.8564, 0.3004,  
0.5906

68.6959, 0.3139,  
0.3042

 45.6270, 0.3000,  
0.5992

 73.6766, 0.3148,  
0.2854

 45.6047, 0.3000,  
0.6000

 74.0847, 0.3148,  
0.2841

# Harmonies

## Analogous

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



51.7486, 0.3749, 0.4570



51.7486, 0.3072, 0.4466



51.7486, 0.2446, 0.3895

# Triad

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



51.7486, 0.3072, 0.4466



51.7486, 0.2030, 0.2264



51.7486, 0.4348, 0.3244

# Complementary

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



51.7486, 0.3072, 0.4466



33.5939, 0.3172, 0.2341

# 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.



51.7486, 0.3778, 0.2761



51.7486, 0.3072, 0.4466



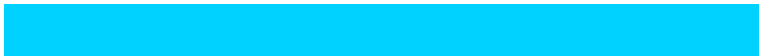
51.7486, 0.2428, 0.2220

# Square

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



51.7486, 0.3072, 0.4466



51.7486, 0.1894, 0.2569



51.7486, 0.3053, 0.2399



51.7486, 0.4532, 0.3773

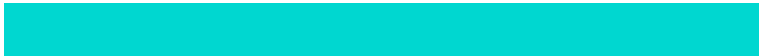


# Rectangle

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



51.7486, 0.3072, 0.4466



51.7486, 0.2140, 0.3394



51.7486, 0.3053, 0.2399



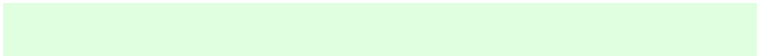
51.7486, 0.4192, 0.3074

# Sweetspot

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



51.7508, 0.3072, 0.4466



92.8349, 0.3112, 0.3606



60.0593, 0.3710, 0.4231



19.7190, 0.3111, 0.3643



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.



51.7508, 0.3072, 0.4466



78.4371, 0.3057, 0.4781



52.9880, 0.2835, 0.3882



13.2063, 0.3116, 0.3530



28.1162, 0.3000, 0.6000



1.5721, 0.3000, 0.6000



# Inverse Universe

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



33.5939, 0.3172, 0.2341



45.8493, 0.3181, 0.2146



31.8868, 0.3585, 0.2771



12.0091, 0.3138, 0.3061



11.1958, 0.3209, 0.1542

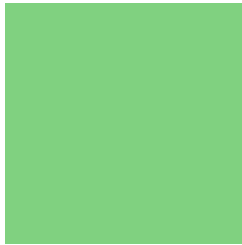


0.6260, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 51.7486, 0.3072, 0.4466 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 51.7486, 0.3072, 0.4466 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 51.7486, 0.3072, 0.4466**

## Background



This preview shows how black text looks on a background with the Yxy color 51.7486, 0.3072, 0.4466.



This preview shows how white text looks on a background with the Yxy color 51.7486, 0.3072, 0.4466.

# 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

51.7486, 0.3072, 0.4466

### Protanopia

50.8731, 0.3824, 0.4135

### Deuteranopia

50.7765, 0.3922, 0.3839



## Tritanopia

51.7729, 0.2640, 0.3080

# Trichromacy



## Original Color

51.7486, 0.3072, 0.4466



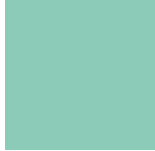
## Protanomaly

50.3749, 0.3522, 0.4258



## Deuteranomaly

49.8747, 0.3579, 0.4053



## Tritanomaly

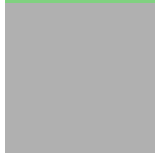
51.6197, 0.2801, 0.3565

# Monochromacy



## Original Color

51.7486, 0.3072, 0.4466



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

45.8406, 0.3108, 0.3697

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.7486, 0.3072, 0.4466 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(128, 209, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 209, 128)  
}
```

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(128, 209, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 209, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 51.7486, 0.3072, 0.4466 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(128, 209, 128) }
```

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

```
.border{ border-color:rgb(128, 209, 128) }
```

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

Here you see how a box with a 4 pixel rgb(128, 209, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 209, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 209, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 209,  
128) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.7486, 0.3072, 0.4466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 209, 128) }
```

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

```
.background{ background-color: rgb(128,  
209, 128) }
```

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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