

# Converting Colors

Yxy(50.6534, 0.3636, 0.4460)

Have a look what the booklet for  
Yxy(50.6534, 0.3636, 0.4460)  
contains.

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# Color

**Yxy(50.5777, 0.3638, 0.4465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3C56B
RGB	179, 197, 107
RGB Percent	70%, 77%, 42%
CMY	0.2980, 0.2274, 0.5806
CMYK	0.09, 0.00, 0.46, 0.23
HSL	72°, 44%, 60%
HSV	72°, 46%, 77%
XYZ	41.2098, 50.5777, 21.4884
YIQ	181.3580, 18.1620, -31.8060

# Conversions

## Conversions Part 2

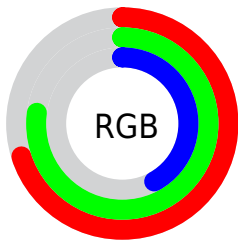
Format	Color
<a href="#">RYB</a>	<a href="#">107, 197, 125</a>
Decimal	<a href="#">11781483</a>
CIELab	<a href="#">76.42, -19.94, 42.91</a>
CIELCh	<a href="#">76, 47.313, 114.924</a>
Yxy	<a href="#">50.5777, 0.3638, 0.4465</a>
Android (android.graphics.Color)	<a href="#">4289971563 (0xFFB3C56B)</a>
YUV	<a href="#">181.3580, -36.6585, -2.0680</a>
Hunter-Lab	<a href="#">71.1180, -21.0235, 31.8680</a>

# Details

The Yxy color **50.5777, 0.3638, 0.4465** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.8951, 0.2429, 0.1930**, and the grayscale version is **46.6070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2546, 0.3561, 0.4255**, and **24.2904, 0.3745, 0.4790** is the 20% darker color. If you saturate the color by 10%, you get **49.7491, 0.3725, 0.4705**, and if you desaturate by 10%, it is **51.5187, 0.3536, 0.4208**.

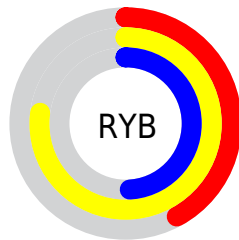
# Distribution



Red (70%)

Green (77%)

Blue (42%)



Red (42%)

Yellow (77%)

Blue (49%)

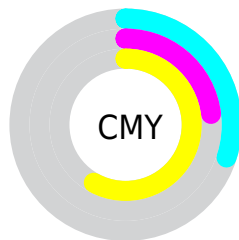


Cyan (9%)

Magenta (0%)

Yellow (46%)

Black (23%)



Cyan (30%)

Magenta (23%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5777, 0.3638, 0.4465 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 50.5777, 0.3638, 0.4465 by changing the saturation by 10% instead.





 50.5777, 0.3638,  
0.4465

 50.5777, 0.3638,  
0.4465


388.9208, 0.3409,  
0.3874


 35.8726, 0.3684,  
0.4609


 91.0302, 0.3563,  
0.4252


 24.3358, 0.3735,  
0.4790


 117.5465, 0.3532,  
0.4171

 15.5829, 0.3789,  
0.5022


 148.7686, 0.3505,  
0.4103

 9.2295, 0.3836,  
0.5324

 185.0810, 0.3481,  
0.4044

 4.8912, 0.3931,  
0.5848

226.8680, 0.3460,  
0.3993

 2.1836, 0.3746,  
0.6254

274.5140, 0.3441,

 0.7110, 0.2101,

0.3948

0.7899

328.4035, 0.3424,  
0.3909

0.0000, 0.0000,  
0.0000

50.5777, 0.3638,  
0.4465

50.5777, 0.3638,  
0.4465

49.7491, 0.3725,  
0.4705

51.5187, 0.3536,  
0.4208

49.0194, 0.3793,  
0.4916

52.5713, 0.3424,  
0.3944

48.3836, 0.3837,  
0.5090

53.7432, 0.3309,  
0.3682


47.8329, 0.3856,  
0.5219

55.0397, 0.3192,  
0.3429

47.3568, 0.3849,  
0.5303


56.4654, 0.3079,  
0.3189

 47.1662, 0.3842,  
0.5331

 58.0250, 0.2970,  
0.2966

 59.7227, 0.2868,  
0.2761

 60.9312, 0.2832,  
0.2665

 61.5182, 0.2859,  
0.2670

# Harmonies

## Analogous

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



50.5777, 0.4154, 0.4235



50.5777, 0.3638, 0.4465



50.5777, 0.3014, 0.4309

# Triad

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



50.5777, 0.3638, 0.4465



50.5777, 0.1992, 0.2591



50.5777, 0.3791, 0.2852

# Complementary

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



50.5777, 0.3638, 0.4465



18.8951, 0.2429, 0.1930

# 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.



50.5777, 0.3137, 0.2499



50.5777, 0.3638, 0.4465



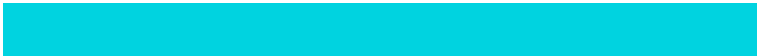
50.5777, 0.2147, 0.2331

# Square

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



50.5777, 0.3638, 0.4465



50.5777, 0.2093, 0.3100



50.5777, 0.2543, 0.2311



50.5777, 0.4276, 0.3310



# Rectangle

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



50.5777, 0.3638, 0.4465



50.5777, 0.2622, 0.3976



50.5777, 0.2543, 0.2311



50.5777, 0.3580, 0.2719

# Sweetspot

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



50.5800, 0.3638, 0.4465



96.5819, 0.3291, 0.3643



27.2139, 0.4237, 0.3513



20.5685, 0.3317, 0.3700



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.



50.5800, 0.3638, 0.4465



89.0775, 0.3726, 0.4708



46.1858, 0.3270, 0.4620



12.3058, 0.3235, 0.3520



31.0572, 0.3847, 0.5327



1.4986, 0.3923, 0.5267



# Inverse Universe

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



18.8951, 0.2429, 0.1930



25.2449, 0.2239, 0.1595



22.9171, 0.2869, 0.2082



10.3879, 0.3013, 0.3053



2.9686, 0.1604, 0.0658



0.1716, 0.1807, 0.0769



# Previews

## White Background



This preview shows how the Yxy color 50.5777, 0.3638, 0.4465 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 50.5777, 0.3638, 0.4465 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 50.5777, 0.3638, 0.4465**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.5777, 0.3638, 0.4465.



This preview shows how white text looks on a background with the Yxy color 50.5777, 0.3638, 0.4465.

# 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

50.5777, 0.3638, 0.4465

### Protanopia

50.2313, 0.3957, 0.4301

### Deuteranopia

50.4482, 0.4153, 0.4068



## Tritanopia

50.2820, 0.3046, 0.3104

# Trichromacy



**Original Color**

50.5777, 0.3638, 0.4465

**Protanomaly**

50.1518, 0.3842, 0.4358

**Deuteranomaly**

50.0925, 0.3961, 0.4200

**Tritanomaly**

50.0560, 0.3271, 0.3588

# Monochromacy



**Original Color**

50.5777, 0.3638, 0.4465

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

47.5770, 0.3327, 0.3731

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.5777, 0.3638, 0.4465 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(179, 197, 107)` looks like.

```
.text, #text, p{  
    color:rgb(179, 197, 107)  
}
```

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(179, 197, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 197, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 50.5777, 0.3638, 0.4465 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(179, 197, 107) }
```

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

```
.border{ border-color:rgb(179, 197, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 197, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 197, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 197, 107); box-shadow:4px 4px 4px 4px rgb(179, 197, 107) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.5777, 0.3638, 0.4465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 197, 107) }
```

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

```
.background{ background-color: rgb(179,  
197, 107) }
```

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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