

# Converting Colors

Yxy(50.6733, 0.3348, 0.5513)

Have a look what the booklet for  
Yxy(50.6733, 0.3348, 0.5513)  
contains.

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**Color**

**Yxy(50.7721, 0.3346, 0.5517)**

# Conversions

Conversions Part 1	
Format	Color
Hex	71D42B
RGB	113, 212, 43
RGB Percent	44%, 83%, 17%
CMY	0.5567, 0.1686, 0.8313
CMYK	0.47, 0.00, 0.80, 0.17
HSL	95°, 66%, 50%
HSV	95°, 80%, 83%
XYZ	30.7927, 50.7721, 10.4636
YIQ	163.1330, -4.7550, -73.5470

# Conversions

## Conversions Part 2

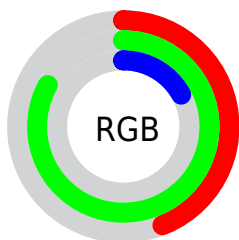
Format	Color
<a href="#">RYB</a>	<a href="#">43, 212, 142</a>
Decimal	<a href="#">7459883</a>
CIELab	<a href="#">76.54, -55.48, 67.94</a>
CIELCh	<a href="#">77, 87.716, 129.232</a>
Yxy	<a href="#">50.7721, 0.3346, 0.5517</a>
Android (android.graphics.Color)	<a href="#">4285649963</a> (0xFF71D42B)
YUV	<a href="#">163.1330, -59.2256, -43.9666</a>
Hunter-Lab	<a href="#">71.2545, -47.5565, 41.1715</a>

# Details

The Yxy color **50.7721, 0.3346, 0.5517** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **12.2324, 0.2402, 0.1229**, and the grayscale version is **36.9845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2699, 0.3407, 0.5014**, and **24.4299, 0.3162, 0.5872** is the 20% darker color. If you saturate the color by 10%, you get **49.8887, 0.3306, 0.5685**, and if you desaturate by 10%, it is **51.8533, 0.3367, 0.5291**.

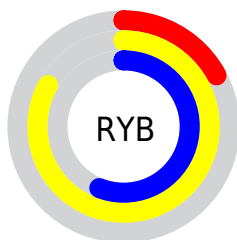
# Distribution



Red (44%)

Green (83%)

Blue (17%)



Red (17%)

Yellow (83%)

Blue (56%)

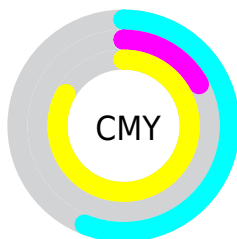


Cyan (47%)

Magenta (0%)

Yellow (80%)

Black (17%)



Cyan (56%)

Magenta (17%)


Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7721, 0.3346, 0.5517 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 50.7721, 0.3346, 0.5517 by changing the saturation by 10% instead.





 50.7721, 0.3346,  
0.5517

 50.7721, 0.3346,  
0.5517


 389.6777, 0.3336,  
0.4370


 36.0273, 0.3310,  
0.5791


 91.3178, 0.3370,  
0.5105

 24.4553, 0.3240,  
0.6125


 117.8875, 0.3371,  
0.4947

 15.6717, 0.3110,  
0.6532


 149.1675, 0.3368,  
0.4814

 9.2921, 0.2903,  
0.7097

 185.5424, 0.3363,  
0.4699

 4.9322, 0.2438,  
0.7562

 227.3965, 0.3356,  
0.4600

 2.2075, 0.1489,  
0.8511


 275.1141, 0.3350,


 0.7241, 0.0000,


0.4514

1.0000


329.0797, 0.3343,  
0.4438


 0.0000, 0.0000,  
0.0000


 50.7721, 0.3346,  
0.5517


 50.7721, 0.3346,  
0.5517


 49.8887, 0.3306,  
0.5685


 51.8533, 0.3367,  
0.5291


 49.1727, 0.3253,  
0.5797


 53.1412, 0.3368,  
0.5020


 49.1536, 0.3251,  
0.5800

 54.6512, 0.3352,  
0.4721


 56.3953, 0.3321,  
0.4410

 58.3846, 0.3280,  
0.4103

 60.6293, 0.3231,  
0.3808

 63.1390, 0.3179,  
0.3534

 65.9227, 0.3126,  
0.3283

 68.9892, 0.3073,  
0.3057

# Harmonies

## Analogous

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



50.7721, 0.4359, 0.5108



50.7721, 0.3346, 0.5517



50.7721, 0.2330, 0.4891

# Triad

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



50.7721, 0.3346, 0.5517



50.7721, 0.1349, 0.1810



50.7721, 0.4842, 0.2826

# Complementary

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



50.7721, 0.3346, 0.5517



12.2324, 0.2402, 0.1229

# 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.



50.7721, 0.3682, 0.2211



50.7721, 0.3346, 0.5517



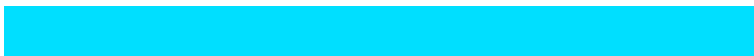
50.7721, 0.1743, 0.1652

# Square

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



50.7721, 0.3346, 0.5517



50.7721, 0.1290, 0.2376



50.7721, 0.2526, 0.1798



50.7721, 0.5392, 0.3539



# Rectangle

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



50.7721, 0.3346, 0.5517



50.7721, 0.1793, 0.3974



50.7721, 0.2526, 0.1798



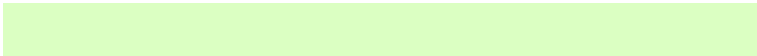
50.7721, 0.4495, 0.2605

# Sweetspot

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



50.7743, 0.3346, 0.5517



90.4904, 0.3254, 0.3940



33.3962, 0.4808, 0.4316



19.1100, 0.3271, 0.4047



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.



50.7743, 0.3346, 0.5517



74.9625, 0.3267, 0.5769



47.8974, 0.2975, 0.5637



14.1447, 0.3178, 0.3527



30.4007, 0.3261, 0.5792



1.8815, 0.3399, 0.5683



# Inverse Universe

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



12.2324, 0.2402, 0.1229



14.2698, 0.2221, 0.1009



19.7996, 0.3375, 0.1749



12.3644, 0.3072, 0.3056



5.6475, 0.2205, 0.0989

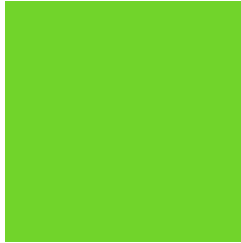


0.3887, 0.2376, 0.1082



# Previews

## White Background



This preview shows how the Yxy color 50.7721, 0.3346, 0.5517 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

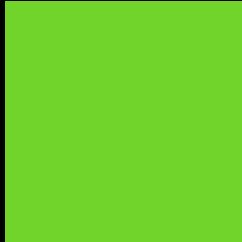
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.7721, 0.3346, 0.5517 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 50.7721, 0.3346, 0.5517**

## Background



This preview shows how black text looks on a background with the Yxy color 50.7721, 0.3346, 0.5517.



This preview shows how white text looks on a background with the Yxy color 50.7721, 0.3346, 0.5517.

# 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

50.7721, 0.3346, 0.5517

### Protanopia

49.9489, 0.4338, 0.4796

### Deuteranopia

49.8187, 0.4557, 0.4454



## Tritanopia

50.2256, 0.2611, 0.3077

# Trichromacy



**Original Color**  
50.7721, 0.3346, 0.5517



**Protanomaly**  
49.1929, 0.3934, 0.5092



**Deuteranomaly**  
48.1603, 0.4086, 0.4853

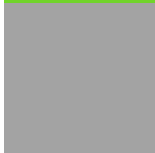


**Tritanomaly**  
49.2213, 0.2943, 0.4034

# Monochromacy



**Original Color**  
50.7721, 0.3346, 0.5517



**Achromatopsia**  
36.6253, 0.3127, 0.3290



**Achromatomaly**  
40.3994, 0.3301, 0.4229

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.7721, 0.3346, 0.5517 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(113, 212, 43)` looks like.

```
.text, #text, p{  
    color:rgb(113, 212, 43)  
}
```

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(113, 212, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 212, 43) }
```

## Border

The CSS property to change the border of an element to Yxy 50.7721, 0.3346, 0.5517 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(113, 212, 43) }
```

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

```
.border{ border-color:rgb(113, 212, 43) }
```

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

Here you see how a box with a 4 pixel rgb(113, 212, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 212, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 212, 43);  
box-shadow:4px 4px 4px 4px rgb(113, 212,  
43) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.7721, 0.3346, 0.5517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 212, 43) }
```

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

```
.background{ background-color: rgb(113,  
212, 43) }
```

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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