

# Converting Colors

$Y_{xy}(40.6622, 0.3469, 0.5627)$

Have a look what the booklet for  
Yxy(40.6622, 0.3469, 0.5627)  
contains.

|   |    |
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**Color**

**Yxy(40.5766, 0.3474, 0.5624)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | 6EBF00                      |
| RGB         | 110, 191, 0                 |
| RGB Percent | 43%, 75%, 0%                |
| CMY         | 0.5685, 0.2510, 1.0000      |
| CMYK        | 0.42, 0.00, 1.00, 0.25      |
| HSL         | 85°, 100%, 37%              |
| HSV         | 85°, 100%, 75%              |
| XYZ         | 25.0646, 40.5766, 6.5078    |
| YIQ         | 145.0070, 13.0350, -76.5730 |

# Conversions

## Conversions Part 2

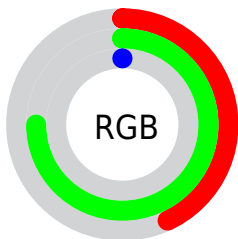
| Format                              | Color                           |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 0, 191, 81                      |
| Decimal                             | 7257856                         |
| CIELab                              | 69.88, -49.53, 69.87            |
| CIELCh                              | 70, 85.644, 125.333             |
| Yxy                                 | 40.5766, 0.3474,<br>0.5624      |
| Android<br>(android.graphics.Color) | 4285447936<br>(0xFF6EBF00)      |
| YUV                                 | 145.0070, -71.4885,<br>-30.7011 |
| Hunter-Lab                          | 63.6998, -41.2385,<br>38.5325   |

# Details

The Yxy color **40.5766, 0.3474, 0.5624** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **5.5090, 0.1882, 0.0810**, and the grayscale version is **28.6155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0388, 0.3486, 0.5181**, and **18.5443, 0.3212, 0.5832** is the 20% darker color. If you saturate the color by 10%, you get **40.5786, 0.3474, 0.5624**, and if you desaturate by 10%, it is **41.1694, 0.3518, 0.5519**.

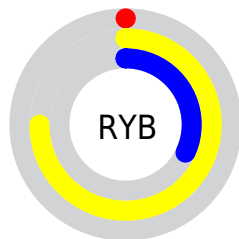
# Distribution



Red (43%)

Green (75%)

Blue (0%)



Red (0%)

Yellow (75%)

Blue (32%)

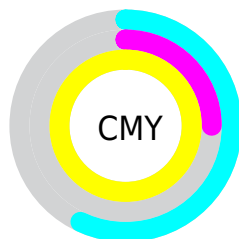


Cyan (42%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (57%)

Magenta (25%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.5766, 0.3474, 0.5624 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 40.5766, 0.3474, 0.5624 by changing the saturation by 10% instead.





 40.5766, 0.3474,  
0.5624


 40.5766, 0.3474,  
0.5624


348.5479, 0.3415,  
0.4401

 27.9884, 0.3435,  
0.5914


 76.0407, 0.3490,  
0.5183

 18.3169, 0.3349,  
0.6262


 99.6855, 0.3484,  
0.5014

 11.1778, 0.3227,  
0.6773


 127.7845, 0.3475,  
0.4872

 6.1865, 0.2858,  
0.7142

 160.7222, 0.3463,  
0.4750

 2.9588, 0.2299,  
0.7701

 198.8830, 0.3451,  
0.4644

 1.1103, 0.0000,  
1.0000

 242.6513, 0.3439,

 0.0000, 0.0000,

0.4552

0.0000

292.4115, 0.3427,  
0.4472

■ 40.5766, 0.3474,  
0.5624

■ 40.5766, 0.3474,  
0.5624

■ 40.5786, 0.3474,  
0.5624

■ 41.1694, 0.3518,  
0.5519

■ 41.8555, 0.3544,  
0.5369

■ 42.6547, 0.3546,  
0.5169

■ 43.5767, 0.3526,  
0.4928

■ 44.6297, 0.3485,  
0.4658

■ 45.8212, 0.3428,  
0.4372

■ 47.1578, 0.3360,  
0.4085

■ 48.6458, 0.3285,  
0.3804

■ 50.2909, 0.3206,  
0.3538

# Harmonies

## Analogous

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



40.5766, 0.4512, 0.5067



40.5766, 0.3474, 0.5624



40.5766, 0.2409, 0.5145

# Triad

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



40.5766, 0.3474, 0.5624



40.5766, 0.1259, 0.1796



40.5766, 0.4794, 0.2708

# Complementary

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



40.5766, 0.3474, 0.5624



5.5090, 0.1882, 0.0810

# 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.



40.5766, 0.3534, 0.2097



40.5766, 0.3474, 0.5624



40.5766, 0.1615, 0.1594

# Square

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



40.5766, 0.3474, 0.5624



40.5766, 0.1239, 0.2442



40.5766, 0.2365, 0.1707



40.5766, 0.5473, 0.3428

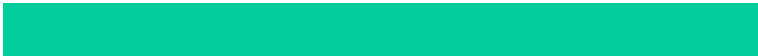


# Rectangle

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



40.5766, 0.3474, 0.5624



40.5766, 0.1823, 0.4210



40.5766, 0.2365, 0.1707



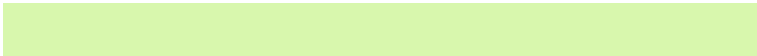
40.5766, 0.4405, 0.2487

# Sweetspot

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



40.5786, 0.3474, 0.5624



84.3418, 0.3363, 0.4098



16.7526, 0.5653, 0.3893



18.2903, 0.3393, 0.4221



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



40.5786, 0.3474, 0.5624



72.5316, 0.3464, 0.5632



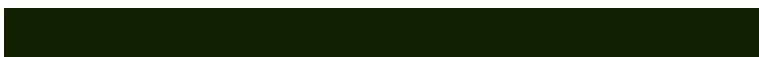
37.3703, 0.3018, 0.5986



10.9136, 0.3201, 0.3521



26.7164, 0.3483, 0.5617



1.0843, 0.3652, 0.5483



# Inverse Universe

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



5.5090, 0.1882, 0.0810



9.7308, 0.1867, 0.0802



12.8850, 0.3000, 0.1426



9.4177, 0.3048, 0.3057



3.6658, 0.1896, 0.0818



0.1822, 0.2177, 0.0973



# Previews

## White Background



This preview shows how the Yxy color 40.5766, 0.3474, 0.5624 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 40.5766, 0.3474, 0.5624 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 40.5766, 0.3474, 0.5624**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.5766, 0.3474, 0.5624.



This preview shows how white text looks on a background with the Yxy color 40.5766, 0.3474, 0.5624.

# 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

40.5766, 0.3474, 0.5624

### Protanopia

39.9559, 0.4411, 0.4880

### Deuteranopia

39.9258, 0.4632, 0.4530



## Tritanopia

40.5521, 0.2661, 0.3087

# Trichromacy



## Original Color

40.5766, 0.3474, 0.5624

## Protanomaly

39.5222, 0.4037, 0.5177

## Deuteranomaly

38.8011, 0.4195, 0.4959

## Tritanomaly

39.5572, 0.3097, 0.4260

# Monochromacy



## Original Color

40.5766, 0.3474, 0.5624

## Achromatopsia

28.3149, 0.3127, 0.3290

## Achromatomaly

31.5189, 0.3441, 0.4451

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.5766, 0.3474, 0.5624 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(110, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(110, 191, 0)  
}
```

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(110, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 191, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 40.5766, 0.3474, 0.5624 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(110, 191, 0) }
```

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

```
.border{ border-color:rgb(110, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(110, 191,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.5766, 0.3474, 0.5624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 191, 0) }
```

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

```
.background{ background-color: rgb(110,  
191, 0) }
```

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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