

Converting Colors

Yxy(40.6860, 0.3472, 0.5625)

Have a look what the booklet for
Yxy(40.6860, 0.3472, 0.5625)
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

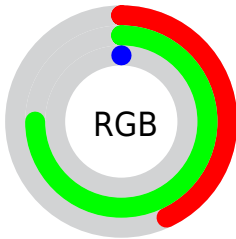
Format	Color
RYB	0, 191, 81
Decimal	7257856
CIELab	69.88, -49.53, 69.87
CIELCh	70, 85.644, 125.333
Yxy	40.5766, 0.3474, 0.5624
Android (android.graphics.Color)	4285447936 (0xFF6EBF00)
YUV	145.0070, -71.4885, -30.7011
Hunter-Lab	63.6998, -41.2385, 38.5325

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**.

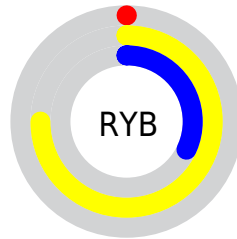
Distribution



Red (43%)

Green (75%)

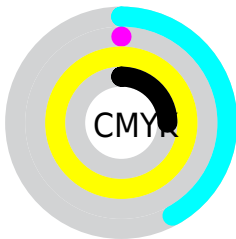
Blue (0%)



Red (0%)

Yellow (75%)

Blue (32%)

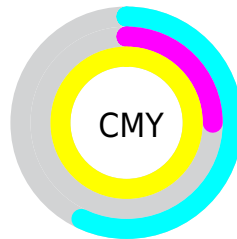


Cyan (42%)

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



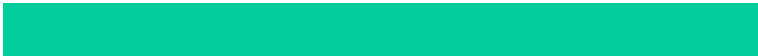
40.5766, 0.5473, 0.3428

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



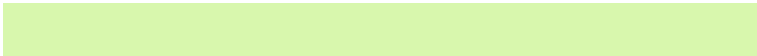
40.5766, 0.4405, 0.2487

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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