

Converting Colors

$Y_{xy}(47.0618, 0.3432, 0.5657)$

Have a look what the booklet for
Yxy(47.0618, 0.3432, 0.5657)
contains.

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Color

Yxy(47.1734, 0.3434, 0.5656)

Conversions

Conversions Part 1

Format	Color
Hex	71CD00
RGB	113, 205, 0
RGB Percent	44%, 80%, 0%
CMY	0.5568, 0.1961, 1.0000
CMYK	0.45, 0.00, 1.00, 0.20
HSL	87°, 100%, 40%
HSV	87°, 100%, 80%
XYZ	28.6410, 47.1734, 7.5898
YIQ	154.1220, 10.9730, -83.2590

Conversions

Conversions Part 2

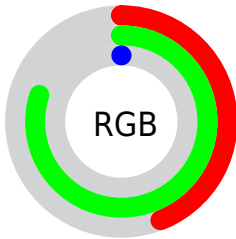
Format	Color
RYB	0, 205, 92
Decimal	7458048
CIELab	74.30, -54.01, 73.38
CIELCh	74, 91.117, 126.356
Yxy	47.1734, 0.3434, 0.5656
Android (android.graphics.Color)	4285648128 (0xFF71CD00)
YUV	154.1220, -75.9821, -36.0640
Hunter-Lab	68.6829, -45.7600, 41.5262

Details

The Yxy color **47.1734, 0.3434, 0.5656** 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 **6.6833, 0.1921, 0.0832**, and the grayscale version is **32.7100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.9152, 0.3479, 0.5181**, and **22.4657, 0.3176, 0.5861** is the 20% darker color. If you saturate the color by 10%, you get **47.1759, 0.3434, 0.5656**, and if you desaturate by 10%, it is **47.8697, 0.3481, 0.5551**.

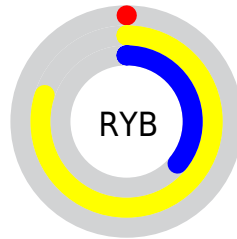
Distribution



Red (44%)

Green (80%)

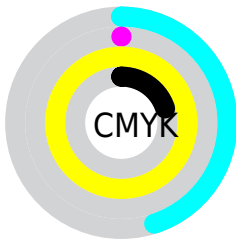
Blue (0%)



Red (0%)

Yellow (80%)

Blue (36%)

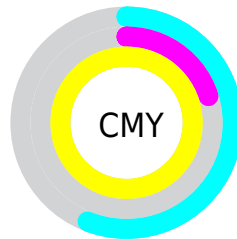


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (56%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1734, 0.3434, 0.5656 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 47.1734, 0.3434, 0.5656 by changing the saturation by 10% instead.


 47.1734, 0.3434,
0.5656

 47.1734, 0.3434,
0.5656


375.5062, 0.3401,
0.4442


 33.1728, 0.3392,
0.5937


 85.9724, 0.3458,
0.5224


 22.2588, 0.3308,
0.6272


 111.5395, 0.3456,
0.5058

 14.0472, 0.3177,
0.6723


 141.7310, 0.3450,
0.4916

 8.1535, 0.2869,
0.7131

 176.9311, 0.3441,
0.4794

 4.1933, 0.2372,
0.7628

 217.5243, 0.3432,
0.4688

 1.7823, 0.0946,
0.9054

 263.8949, 0.3422,

 0.4761, 0.0000,

0.4596


1.0000

316.4275, 0.3411,
0.4514


 0.0000, 0.0000,
0.0000


 47.1734, 0.3434,
0.5656

 47.1734, 0.3434,
0.5656


 47.1759, 0.3434,
0.5656

 47.8697, 0.3481,
0.5551

 48.6826, 0.3511,
0.5399

 49.6353, 0.3518,
0.5195

 50.7396, 0.3501,
0.4949

 52.0055, 0.3465,
0.4674

■ 53.4423, 0.3412,
0.4384

■ 55.0580, 0.3348,
0.4092

■ 56.8603, 0.3277,
0.3808

■ 58.8562, 0.3202,
0.3539

Harmonies

Analogous

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



47.1734, 0.4486, 0.5107



47.1734, 0.3434, 0.5656



47.1734, 0.2364, 0.5131

Triad

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



47.1734, 0.3434, 0.5656



47.1734, 0.1251, 0.1769



47.1734, 0.4850, 0.2724

Complementary

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



47.1734, 0.3434, 0.5656



6.6833, 0.1921, 0.0832

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.



47.1734, 0.3583, 0.2104



47.1734, 0.3434, 0.5656



47.1734, 0.1620, 0.1579

Square

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



47.1734, 0.3434, 0.5656



47.1734, 0.1218, 0.2399



47.1734, 0.2391, 0.1703



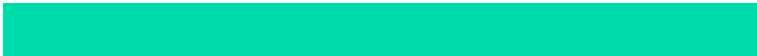
47.1734, 0.5504, 0.3449

Rectangle

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



47.1734, 0.3434, 0.5656



47.1734, 0.1783, 0.4167



47.1734, 0.2391, 0.1703



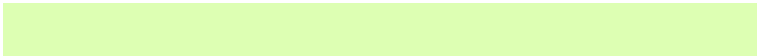
47.1734, 0.4462, 0.2500

Sweetspot

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



47.1759, 0.3434, 0.5656



90.0748, 0.3351, 0.4103



20.0972, 0.5613, 0.3925



19.0310, 0.3379, 0.4227



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.



47.1759, 0.3434, 0.5656



77.1446, 0.3425, 0.5662



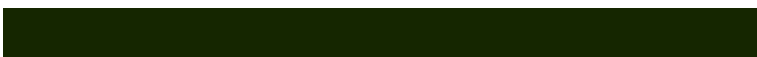
43.7555, 0.3013, 0.5990



12.8366, 0.3198, 0.3524



29.4245, 0.3444, 0.5648



1.5626, 0.3585, 0.5535

Inverse Universe

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



6.6833, 0.1921, 0.0832



10.8267, 0.1908, 0.0825



15.5282, 0.3041, 0.1449



11.0863, 0.3051, 0.3055



4.2151, 0.1936, 0.0840



0.2623, 0.2158, 0.0962

Previews

White Background



This preview shows how the Yxy color 47.1734, 0.3434, 0.5656 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 47.1734, 0.3434, 0.5656 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 47.1734, 0.3434, 0.5656

Background



This preview shows how black text looks on a background with the Yxy color 47.1734, 0.3434, 0.5656.



This preview shows how white text looks on a background with the Yxy color 47.1734, 0.3434, 0.5656.

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

47.1734, 0.3434, 0.5656

Protanopia

46.4350, 0.4407, 0.4883

Deuteranopia

46.3232, 0.4639, 0.4527



Tritanopia

47.1211, 0.2635, 0.3085

Trichromacy



Original Color

47.1734, 0.3434, 0.5656



Protanomaly

45.5976, 0.4028, 0.5184



Deuteranomaly

44.9204, 0.4184, 0.4969



Tritanomaly

45.7857, 0.3067, 0.4269

Monochromacy



Original Color

47.1734, 0.3434, 0.5656



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.2579, 0.3426, 0.4468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1734, 0.3434, 0.5656 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, 205, 0)` looks like.

```
.text, #text, p{  
    color:rgb(113, 205, 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(113, 205, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 205, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.1734, 0.3434, 0.5656 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, 205, 0) }
```

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

```
.border{ border-color:rgb(113, 205, 0) }
```

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

Here you see how a box with a 4 pixel rgb(113, 205, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 205, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 205, 0);  
box-shadow:4px 4px 4px 4px rgb(113, 205,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1734, 0.3434, 0.5656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 205, 0) }
```

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

```
.background{ background-color: rgb(113,  
205, 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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