

Converting Colors

$Y_{xy}(47.5983, 0.3533, 0.5577)$

Have a look what the booklet for
Yxy(47.5983, 0.3533, 0.5577)
contains.

Yxy(47.6214, 0.3535, 0.5575)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.6214, 0.3535, 0.5575)

Conversions

Conversions Part 1

Format	Color
Hex	7ECC00
RGB	126, 204, 0
RGB Percent	49%, 80%, 0%
CMY	0.5059, 0.2000, 0.9996
CMYK	0.38, 0.00, 1.00, 0.20
HSL	83°, 100%, 40%
HSV	83°, 100%, 80%
XYZ	30.1958, 47.6214, 7.6023
YIQ	157.4220, 18.9960, -79.9800

Conversions

Conversions Part 2

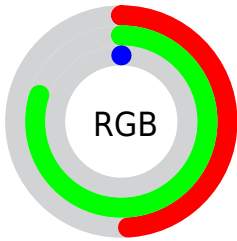
Format	Color
RYB	0, 204, 78
Decimal	8309760
CIELab	74.59, -49.28, 73.83
CIELCh	75, 88.765, 123.725
Yxy	47.6214, 0.3535, 0.5575
Android (android.graphics.Color)	4286499840 (0xFF7ECC00)
YUV	157.4220, -77.6090, -27.5571
Hunter-Lab	69.0083, -42.6586, 41.7741

Details

The Yxy color **47.6214, 0.3535, 0.5575** 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 **5.9865, 0.1811, 0.0772**, and the grayscale version is **34.2724, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4588, 0.3564, 0.5126**, and **22.6531, 0.3303, 0.5759** is the 20% darker color. If you saturate the color by 10%, you get **47.6206, 0.3535, 0.5575**, and if you desaturate by 10%, it is **48.2922, 0.3576, 0.5478**.

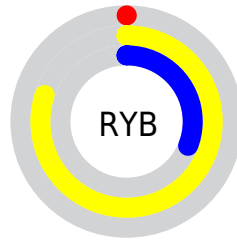
Distribution



Red (49%)

Green (80%)

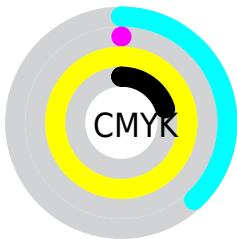
Blue (0%)



Red (0%)

Yellow (80%)

Blue (31%)

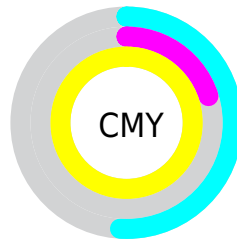


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (51%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6214, 0.3535, 0.5575 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 47.6214, 0.3535, 0.5575 by changing the saturation by 10% instead.


 47.6214, 0.3535,
0.5575

 47.6214, 0.3535,
0.5575


377.2895, 0.3449,
0.4416


 33.5272, 0.3507,
0.5839


 86.6404, 0.3539,
0.5166


 22.5306, 0.3441,
0.6151


 112.3340, 0.3530,
0.5008


 14.2473, 0.3334,
0.6568


 142.6629, 0.3518,
0.4872

 8.2929, 0.3059,
0.6941

 178.0113, 0.3504,
0.4755

 4.2829, 0.2605,
0.7395

 218.7638, 0.3490,
0.4653

 1.8330, 0.1532,
0.8468

 265.3048, 0.3476,

 0.5076, 0.0000,

0.4564

1.0000

318.0185, 0.3462,
0.4486

■ 0.0000, 0.0000,
0.0000

■ 47.6214, 0.3535,
0.5575

■ 47.6214, 0.3535,
0.5575

■ 47.6206, 0.3535,
0.5575

■ 48.2922, 0.3576,
0.5478

■ 49.0633, 0.3597,
0.5335

■ 49.9563, 0.3594,
0.5143

■ 50.9824, 0.3568,
0.4910

■ 52.1508, 0.3521,
0.4646

■ 53.4699, 0.3457,
0.4366

■ 54.9473, 0.3381,
0.4082

■ 56.5899, 0.3298,
0.3803

■ 58.4043, 0.3213,
0.3537

Harmonies

Analogous

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



47.6214, 0.4551, 0.5007



47.6214, 0.3535, 0.5575



47.6214, 0.2477, 0.5165

Triad

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



47.6214, 0.3535, 0.5575



47.6214, 0.1272, 0.1839



47.6214, 0.4708, 0.2683

Complementary

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



47.6214, 0.3535, 0.5575



5.9865, 0.1811, 0.0772

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.



47.6214, 0.3460, 0.2086



47.6214, 0.3535, 0.5575



47.6214, 0.1606, 0.1617

Square

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



47.6214, 0.3535, 0.5575



47.6214, 0.1272, 0.2509



47.6214, 0.2327, 0.1714



47.6214, 0.5422, 0.3393

Rectangle

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



47.6214, 0.3535, 0.5575



47.6214, 0.1884, 0.4275



47.6214, 0.2327, 0.1714



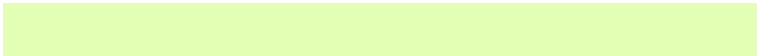
47.6214, 0.4318, 0.2465

Sweetspot

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



47.6235, 0.3535, 0.5575



90.8796, 0.3384, 0.4094



17.8518, 0.5799, 0.3777



19.2224, 0.3418, 0.4216



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.



47.6235, 0.3535, 0.5575



78.7317, 0.3527, 0.5582



43.4258, 0.3034, 0.5973



12.8740, 0.3208, 0.3523



30.0258, 0.3544, 0.5568



1.5918, 0.3671, 0.5467

Inverse Universe

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



5.9865, 0.1811, 0.0772



9.7927, 0.1798, 0.0764



13.6877, 0.2873, 0.1356



11.0497, 0.3041, 0.3055



3.8146, 0.1825, 0.0779



0.2401, 0.2051, 0.0903

Previews

White Background



This preview shows how the Yxy color 47.6214, 0.3535, 0.5575 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 47.6214, 0.3535, 0.5575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

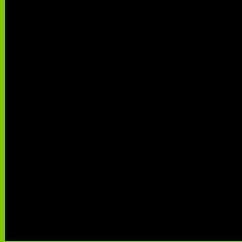
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6214, 0.3535, 0.5575

Background



This preview shows how black text looks on a background with the Yxy color 47.6214, 0.3535, 0.5575.



This preview shows how white text looks on a background with the Yxy color 47.6214, 0.3535, 0.5575.

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

47.6214, 0.3535, 0.5575

Protanopia

46.9888, 0.4406, 0.4884

Deuteranopia

46.8633, 0.4641, 0.4535



Tritanopia

47.5306, 0.2706, 0.3088

Trichromacy



Original Color

47.6214, 0.3535, 0.5575

Protanomaly

46.6087, 0.4065, 0.5154

Deuteranomaly

45.5576, 0.4233, 0.4938

Tritanomaly

46.2174, 0.3158, 0.4248

Monochromacy



Original Color

47.6214, 0.3535, 0.5575

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

37.3032, 0.3474, 0.4425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6214, 0.3535, 0.5575 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(126, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(126, 204, 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(126, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.6214, 0.3535, 0.5575 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(126, 204, 0) }
```

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

```
.border{ border-color:rgb(126, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(126, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6214, 0.3535, 0.5575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 204, 0) }
```

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

```
.background{ background-color: rgb(126,  
204, 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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