

Converting Colors

$Yxy(47.7657, 0.3550, 0.5563)$

Have a look what the booklet for
Yxy(47.7657, 0.3550, 0.5563)
contains.

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Color

Yxy(47.7749, 0.3551, 0.5563)

Conversions

Conversions Part 1

Format	Color
Hex	80CC00
RGB	128, 204, 0
RGB Percent	50%, 80%, 0%
CMY	0.4980, 0.2000, 1.0000
CMYK	0.37, 0.00, 1.00, 0.20
HSL	82°, 100%, 40%
HSV	82°, 100%, 80%
XYZ	30.4959, 47.7749, 7.6089
YIQ	158.0200, 20.1880, -79.5560

Conversions

Conversions Part 2

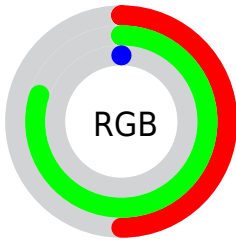
Format	Color
RYB	0, 204, 76
Decimal	8440832
CIELab	74.68, -48.58, 73.97
CIELCh	75, 88.494, 123.293
Yxy	47.7749, 0.3551, 0.5563
Android (android.graphics.Color)	4286630912 (0xFF80CC00)
YUV	158.0200, -77.9039, -26.3275
Hunter-Lab	69.1194, -42.2036, 41.8567

Details

The Yxy color **47.7749, 0.3551, 0.5563** 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 **5.8957, 0.1795, 0.0763**, and the grayscale version is **34.5580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7093, 0.3577, 0.5117**, and **22.7238, 0.3320, 0.5746** is the 20% darker color. If you saturate the color by 10%, you get **47.7773, 0.3551, 0.5563**, and if you desaturate by 10%, it is **48.4409, 0.3590, 0.5467**.

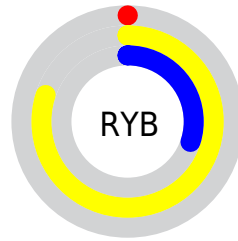
Distribution



Red (50%)

Green (80%)

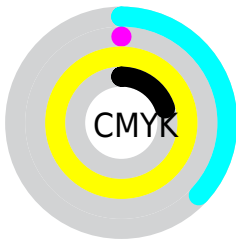
Blue (0%)



Red (0%)

Yellow (80%)

Blue (30%)

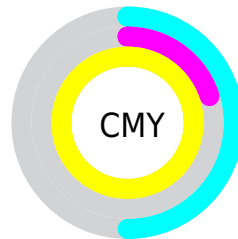


Cyan (37%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (50%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7749, 0.3551, 0.5563 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 47.7749, 0.3551, 0.5563 by changing the saturation by 10% instead.


 47.7749, 0.3551,
0.5563


 47.7749, 0.3551,
0.5563


377.8992, 0.3457,
0.4413


 33.6487, 0.3525,
0.5824


 86.8692, 0.3552,
0.5158


 22.6238, 0.3462,
0.6133


 112.6060, 0.3542,
0.5001


 14.3160, 0.3358,
0.6544


 142.9818, 0.3529,
0.4866

 8.3408, 0.3089,
0.6911

 178.3809, 0.3514,
0.4750

 4.3138, 0.2643,
0.7357

 219.1878, 0.3499,
0.4649

 1.8506, 0.1625,
0.8375

 265.7869, 0.3485,

 0.5184, 0.0000,

0.4560

1.0000

318.5626, 0.3471,
0.4482

■ 0.0000, 0.0000,
0.0000

■ 47.7749, 0.3551,
0.5563

■ 47.7749, 0.3551,
0.5563

■ 47.7773, 0.3551,
0.5563

■ 48.4409, 0.3590,
0.5467

■ 49.2043, 0.3611,
0.5326

■ 50.0873, 0.3607,
0.5136

■ 51.1009, 0.3578,
0.4905

■ 52.2543, 0.3529,
0.4643

■ 53.5557, 0.3464,
0.4365

■ 55.0129, 0.3386,
0.4082

■ 56.6325, 0.3302,
0.3804

■ 58.4210, 0.3215,
0.3538

Harmonies

Analogous

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



47.7749, 0.4561, 0.4991



47.7749, 0.3551, 0.5563



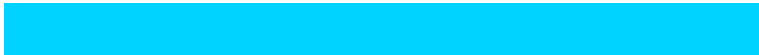
47.7749, 0.2495, 0.5171

Triad

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



47.7749, 0.3551, 0.5563



47.7749, 0.1274, 0.1850



47.7749, 0.4686, 0.2675

Complementary

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



47.7749, 0.3551, 0.5563



5.8957, 0.1795, 0.0763

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.



47.7749, 0.3440, 0.2083



47.7749, 0.3551, 0.5563



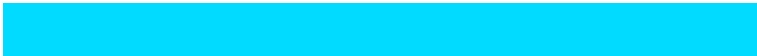
47.7749, 0.1603, 0.1623

Square

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



47.7749, 0.3551, 0.5563



47.7749, 0.1280, 0.2526



47.7749, 0.2316, 0.1715



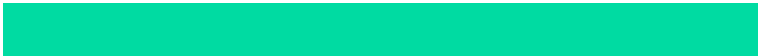
47.7749, 0.5409, 0.3384

Rectangle

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



47.7749, 0.3551, 0.5563



47.7749, 0.1900, 0.4293



47.7749, 0.2316, 0.1715



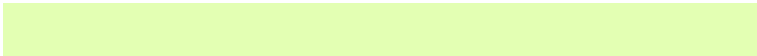
47.7749, 0.4296, 0.2459

Sweetspot

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



47.7773, 0.3551, 0.5563



91.0050, 0.3390, 0.4093



17.8429, 0.5800, 0.3776



19.2523, 0.3424, 0.4214



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.



47.7773, 0.3551, 0.5563



78.9953, 0.3543, 0.5569



43.4227, 0.3033, 0.5973



12.8798, 0.3209, 0.3523



30.1253, 0.3560, 0.5556



1.5965, 0.3684, 0.5457

Inverse Universe

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



5.8957, 0.1795, 0.0763



9.6520, 0.1783, 0.0756



13.6837, 0.2872, 0.1356



11.0441, 0.3040, 0.3054



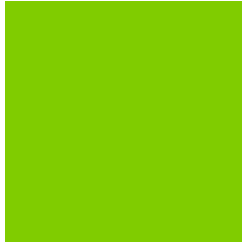
3.7597, 0.1809, 0.0770



0.2369, 0.2035, 0.0895

Previews

White Background



This preview shows how the Yxy color 47.7749, 0.3551, 0.5563 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 47.7749, 0.3551, 0.5563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

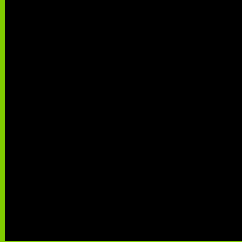
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7749, 0.3551, 0.5563

Background



This preview shows how black text looks on a background with the Yxy color 47.7749, 0.3551, 0.5563.



This preview shows how white text looks on a background with the Yxy color 47.7749, 0.3551, 0.5563.

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

47.7749, 0.3551, 0.5563

Protanopia

46.9888, 0.4406, 0.4884

Deuteranopia

46.8633, 0.4641, 0.4535



Tritanopia

47.7187, 0.2719, 0.3089

Trichromacy



Original Color

47.7749, 0.3551, 0.5563

Protanomaly

46.7266, 0.4074, 0.5147

Deuteranomaly

45.6886, 0.4242, 0.4931

Tritanomaly

46.3927, 0.3174, 0.4243

Monochromacy



Original Color

47.7749, 0.3551, 0.5563

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

37.8026, 0.3473, 0.4418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7749, 0.3551, 0.5563 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(128, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 47.7749, 0.3551, 0.5563 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(128, 204, 0) }
```

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

```
.border{ border-color:rgb(128, 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(128, 204, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(128, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7749, 0.3551, 0.5563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 204, 0) }
```

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

```
.background{ background-color: rgb(128,  
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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