

Converting Colors

Yxy(43.5666, 0.3509, 0.5596)

Have a look what the booklet for
Yxy(43.5666, 0.3509, 0.5596)
contains.

Yxy(43.7841, 0.3507, 0.5597)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(43.7841, 0.3507, 0.5597)

Conversions

Conversions Part 1

Format	Color
Hex	76C500
RGB	118, 197, 0
RGB Percent	46%, 77%, 0%
CMY	0.5374, 0.2274, 0.9994
CMYK	0.40, 0.00, 1.00, 0.23
HSL	84°, 100%, 39%
HSV	84°, 100%, 77%
XYZ	27.4345, 43.7841, 7.0092
YIQ	150.9210, 16.1530, -78.0150

Conversions

Conversions Part 2

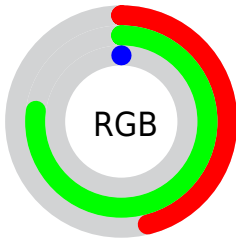
Format	Color
RYB	0, 197, 79
Decimal	7783680
CIELab	72.08, -49.23, 71.71
CIELCh	72, 86.988, 124.471
Yxy	43.7841, 0.3507, 0.5597
Android (android.graphics.Color)	4285973760 (0xFF76C500)
YUV	150.9210, -74.4041, -28.8717
Hunter-Lab	66.1696, -41.7890, 40.0382

Details

The Yxy color **43.7841, 0.3507, 0.5597** 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 **5.7062, 0.1844, 0.0790**, and the grayscale version is **31.2367, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7078, 0.3515, 0.5173**, and **20.2455, 0.3265, 0.5789** is the 20% darker color. If you saturate the color by 10%, you get **43.7811, 0.3507, 0.5598**, and if you desaturate by 10%, it is **44.4128, 0.3549, 0.5496**.

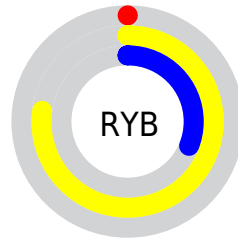
Distribution



Red (46%)

Green (77%)

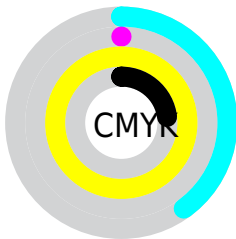
Blue (0%)



Red (0%)

Yellow (77%)

Blue (31%)

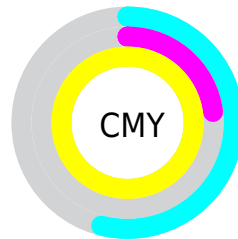


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (54%)


Magenta (23%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7841, 0.3507, 0.5597 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 43.7841, 0.3507, 0.5597 by changing the saturation by 10% instead.


 43.7841, 0.3507,
0.5597


 43.7841, 0.3507,
0.5597

361.8265, 0.3433,
0.4407


 30.5008, 0.3474,
0.5874


 80.8928, 0.3516,
0.5172


 20.2190, 0.3399,
0.6204


 105.4869, 0.3509,
0.5009


 12.5544, 0.3291,
0.6678


 134.6202, 0.3497,
0.4870

 7.1224, 0.2964,
0.7036

 168.6769, 0.3485,
0.4750

 3.5388, 0.2459,
0.7541

 208.0415, 0.3471,
0.4647

 1.4191, 0.0468,
0.9532

 253.0984, 0.3458,

 0.2307, 0.0000,

0.4557

1.0000

304.2319, 0.3445,
0.4477

■ 0.0000, 0.0000,
0.0000

■ 43.7841, 0.3507,
0.5597

■ 43.7841, 0.3507,
0.5597

■ 43.7811, 0.3507,
0.5598

■ 44.4128, 0.3549,
0.5496

■ 45.1376, 0.3572,
0.5350

■ 45.9791, 0.3572,
0.5154

■ 46.9475, 0.3548,
0.4916

■ 48.0515, 0.3504,
0.4649

■ 49.2989, 0.3443,
0.4367

■ 50.6967, 0.3371,
0.4081

■ 52.2515, 0.3291,
0.3802

■ 53.9693, 0.3209,
0.3536

Harmonies

Analogous

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



43.7841, 0.4533, 0.5034



43.7841, 0.3507, 0.5597



43.7841, 0.2446, 0.5156

Triad

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



43.7841, 0.3507, 0.5597



43.7841, 0.1266, 0.1820



43.7841, 0.4747, 0.2695

Complementary

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



43.7841, 0.3507, 0.5597



5.7062, 0.1844, 0.0790

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.



43.7841, 0.3494, 0.2092



43.7841, 0.3507, 0.5597



43.7841, 0.1610, 0.1607

Square

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



43.7841, 0.3507, 0.5597



43.7841, 0.1257, 0.2478



43.7841, 0.2344, 0.1711



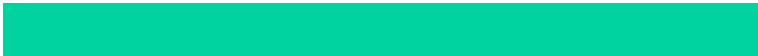
43.7841, 0.5445, 0.3409

Rectangle

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



43.7841, 0.3507, 0.5597



43.7841, 0.1856, 0.4245



43.7841, 0.2344, 0.1711



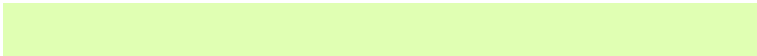
43.7841, 0.4358, 0.2476

Sweetspot

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



43.7860, 0.3507, 0.5597



90.6467, 0.3375, 0.4097



17.4495, 0.5702, 0.3854



19.1669, 0.3407, 0.4219



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.



43.7860, 0.3507, 0.5597



78.2538, 0.3497, 0.5605



40.0841, 0.3022, 0.5982



12.1964, 0.3205, 0.3522



28.8436, 0.3515, 0.5591



1.4071, 0.3656, 0.5479

Inverse Universe

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



5.7062, 0.1844, 0.0790



10.0680, 0.1828, 0.0781



13.4204, 0.2958, 0.1403



10.4918, 0.3044, 0.3056



3.7936, 0.1856, 0.0796



0.2216, 0.2099, 0.0930

Previews

White Background



This preview shows how the Yxy color 43.7841, 0.3507, 0.5597 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 43.7841, 0.3507, 0.5597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

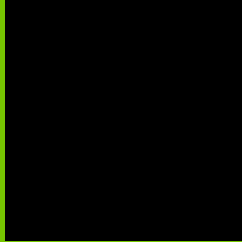
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.7841, 0.3507, 0.5597

Background



This preview shows how black text looks on a background with the Yxy color 43.7841, 0.3507, 0.5597.



This preview shows how white text looks on a background with the Yxy color 43.7841, 0.3507, 0.5597.

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

43.7841, 0.3507, 0.5597

Protanopia

43.0564, 0.4404, 0.4885

Deuteranopia

43.1561, 0.4628, 0.4538



Tritanopia

43.5196, 0.2685, 0.3080

Trichromacy



Original Color

43.7841, 0.3507, 0.5597

Protanomaly

42.7160, 0.4051, 0.5165

Deuteranomaly

42.1013, 0.4213, 0.4946

Tritanomaly

42.3783, 0.3129, 0.4241

Monochromacy



Original Color

43.7841, 0.3507, 0.5597

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

34.3388, 0.3458, 0.4437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7841, 0.3507, 0.5597 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(118, 197, 0)` looks like.

```
.text, #text, p{  
    color:rgb(118, 197, 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(118, 197, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 197, 0) }
```

Border

The CSS property to change the border of an element to Yxy 43.7841, 0.3507, 0.5597 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(118, 197, 0) }
```

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

```
.border{ border-color:rgb(118, 197, 0) }
```

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

Here you see how a box with a 4 pixel rgb(118, 197, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 197, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 197, 0);  
box-shadow:4px 4px 4px 4px rgb(118, 197,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7841, 0.3507, 0.5597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 197, 0) }
```

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

```
.background{ background-color: rgb(118,  
197, 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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