

Converting Colors

$Y_{xy}(43.2108, 0.3507, 0.5598)$

Have a look what the booklet for
Yxy(43.2108, 0.3507, 0.5598)
contains.

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Color

Yxy(43.2618, 0.3504, 0.5599)

Conversions

Conversions Part 1

Format	Color
Hex	75C400
RGB	117, 196, 0
RGB Percent	46%, 77%, 0%
CMY	0.5413, 0.2313, 0.9989
CMYK	0.40, 0.00, 1.00, 0.23
HSL	84°, 100%, 38%
HSV	84°, 100%, 77%
XYZ	27.0744, 43.2618, 6.9309
YIQ	150.0350, 15.8320, -77.7040

Conversions

Conversions Part 2

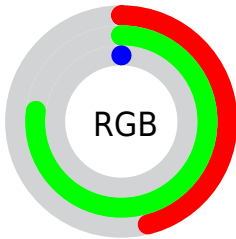
Format	Color
RYB	0, 196, 79
Decimal	7717888
CIELab	71.73, -49.17, 71.41
CIELCh	72, 86.699, 124.551
Yxy	43.2618, 0.3504, 0.5599
Android (android.graphics.Color)	4285907968 (0xFF75C400)
YUV	150.0350, -73.9673, -28.9717
Hunter-Lab	65.7737, -41.6282, 39.7940

Details

The Yxy color **43.2618, 0.3504, 0.5599** 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 **5.6679, 0.1848, 0.0793**, and the grayscale version is **30.8420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.9586, 0.3512, 0.5172**, and **20.2159, 0.3257, 0.5796** is the 20% darker color. If you saturate the color by 10%, you get **43.2552, 0.3503, 0.5600**, and if you desaturate by 10%, it is **43.8847, 0.3546, 0.5497**.

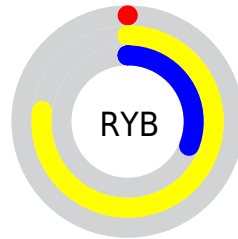
Distribution



Red (46%)

Green (77%)

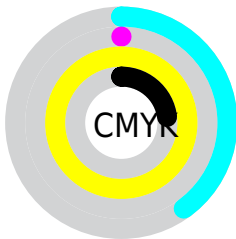
Blue (0%)



Red (0%)

Yellow (77%)

Blue (31%)

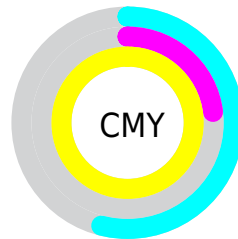


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (23%)



Cyan (54%)


Magenta (23%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.2618, 0.3504, 0.5599 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 43.2618, 0.3504, 0.5599 by changing the saturation by 10% instead.


 43.2618, 0.3504,
0.5599

 43.2618, 0.3504,
0.5599

359.6873, 0.3431,
0.4405

 30.0906, 0.3470,
0.5877


 80.1058, 0.3514,
0.5172


 19.9074, 0.3394,
0.6210


 104.5473, 0.3506,
0.5008

 12.3277, 0.3286,
0.6693


 133.5144, 0.3495,
0.4869

 6.9673, 0.2952,
0.7048

 167.3915, 0.3483,
0.4749

 3.4416, 0.2440,
0.7560

 206.5629, 0.3469,
0.4645

 1.3664, 0.0244,
0.9756

 251.4131, 0.3456,

 0.1918, 0.0000,

0.4555

1.0000

302.3264, 0.3443,
0.4475

■ 0.0000, 0.0000,
0.0000

■ 43.2618, 0.3504,
0.5599

■ 43.2618, 0.3504,
0.5599

■ 43.2552, 0.3503,
0.5600

■ 43.8847, 0.3546,
0.5497

■ 44.6032, 0.3570,
0.5350

■ 45.4377, 0.3569,
0.5154

■ 46.3980, 0.3546,
0.4915

■ 47.4929, 0.3501,
0.4648

■ 48.7301, 0.3441,
0.4365

■ 50.1166, 0.3369,
0.4080

■ 51.6587, 0.3290,
0.3800

■ 53.3626, 0.3208,
0.3534

Harmonies

Analogous

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



43.2618, 0.4531, 0.5037



43.2618, 0.3504, 0.5599



43.2618, 0.2443, 0.5154

Triad

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



43.2618, 0.3504, 0.5599



43.2618, 0.1266, 0.1818



43.2618, 0.4751, 0.2696

Complementary

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



43.2618, 0.3504, 0.5599



5.6679, 0.1848, 0.0793

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.



43.2618, 0.3497, 0.2092



43.2618, 0.3504, 0.5599



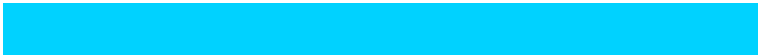
43.2618, 0.1611, 0.1606

Square

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



43.2618, 0.3504, 0.5599



43.2618, 0.1256, 0.2475



43.2618, 0.2347, 0.1711



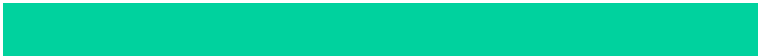
43.2618, 0.5447, 0.3411

Rectangle

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



43.2618, 0.3504, 0.5599



43.2618, 0.1853, 0.4242



43.2618, 0.2347, 0.1711



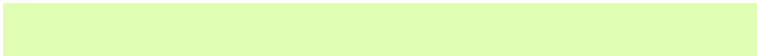
43.2618, 0.4362, 0.2477

Sweetspot

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



43.2637, 0.3504, 0.5599



90.6191, 0.3374, 0.4097



17.2678, 0.5700, 0.3855



19.1603, 0.3405, 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.



43.2637, 0.3504, 0.5599



78.1981, 0.3494, 0.5608



39.6310, 0.3023, 0.5981



11.5490, 0.3204, 0.3522



27.8423, 0.3512, 0.5593



1.2423, 0.3664, 0.5473

Inverse Universe

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



5.6679, 0.1848, 0.0793



10.1019, 0.1832, 0.0783



13.2728, 0.2958, 0.1404



9.9420, 0.3045, 0.3056



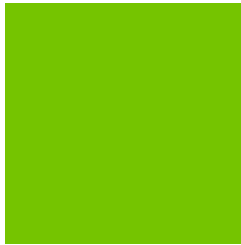
3.6803, 0.1861, 0.0799



0.1992, 0.2123, 0.0943

Previews

White Background



This preview shows how the Yxy color 43.2618, 0.3504, 0.5599 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 43.2618, 0.3504, 0.5599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

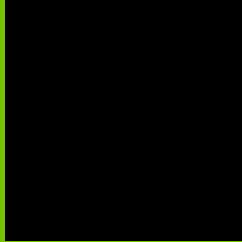
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.2618, 0.3504, 0.5599

Background



This preview shows how black text looks on a background with the Yxy color 43.2618, 0.3504, 0.5599.



This preview shows how white text looks on a background with the Yxy color 43.2618, 0.3504, 0.5599.

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

43.2618, 0.3504, 0.5599

Protanopia

42.5303, 0.4405, 0.4884

Deuteranopia

42.6346, 0.4629, 0.4535



Tritanopia

42.9761, 0.2683, 0.3079

Trichromacy



Original Color

43.2618, 0.3504, 0.5599

Protanomaly

42.1918, 0.4050, 0.5166

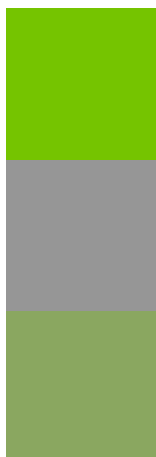
Deuteranomaly

41.5817, 0.4213, 0.4945

Tritanomaly

41.8466, 0.3129, 0.4247

Monochromacy



Original Color

43.2618, 0.3504, 0.5599

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

33.8852, 0.3452, 0.4429

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.2618, 0.3504, 0.5599 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(117, 196, 0)` looks like.

```
.text, #text, p{  
    color:rgb(117, 196, 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(117, 196, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 196, 0) }
```

Border

The CSS property to change the border of an element to Yxy 43.2618, 0.3504, 0.5599 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(117, 196, 0) }
```

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

```
.border{ border-color:rgb(117, 196, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 196, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 196, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 196, 0);  
box-shadow:4px 4px 4px 4px rgb(117, 196,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 43.2618, 0.3504, 0.5599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 196, 0) }
```

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

```
.background{ background-color: rgb(117,  
196, 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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