

Converting Colors

$Y_{xy}(40.5442, 0.3455, 0.5639)$

Have a look what the booklet for
Yxy(40.5442, 0.3455, 0.5639)
contains.

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Color

Yxy(40.4497, 0.3458, 0.5636)

Conversions

Conversions Part 1

Format	Color
Hex	6CBF00
RGB	108, 191, 0
RGB Percent	42%, 75%, 0%
CMY	0.5764, 0.2510, 0.9995
CMYK	0.43, 0.00, 1.00, 0.25
HSL	86°, 100%, 37%
HSV	86°, 100%, 75%
XYZ	24.8181, 40.4497, 6.5024
YIQ	144.4090, 11.8430, -76.9970

Conversions

Conversions Part 2

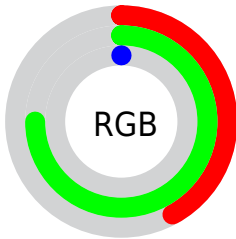
Format	Color
RYB	0, 191, 83
Decimal	7126784
CIELab	69.79, -50.20, 69.74
CIELCh	70, 85.925, 125.747
Yxy	40.4497, 0.3458, 0.5636
Android (android.graphics.Color)	4285316864 (0xFF6CBF00)
YUV	144.4090, -71.1936, -31.9307
Hunter-Lab	63.6001, -41.6455, 38.4583

Details

The Yxy color **40.4497, 0.3458, 0.5636** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **5.6073, 0.1901, 0.0821**, and the grayscale version is **28.3624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8210, 0.3473, 0.5189**, and **18.4722, 0.3190, 0.5849** is the 20% darker color. If you saturate the color by 10%, you get **40.4479, 0.3458, 0.5637**, and if you desaturate by 10%, it is **41.0447, 0.3503, 0.5530**.

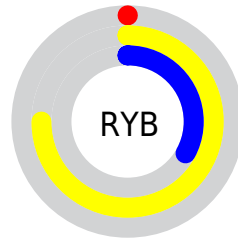
Distribution



Red (42%)

Green (75%)

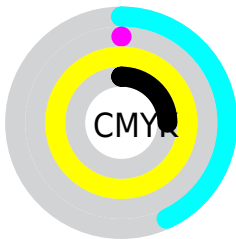
Blue (0%)



Red (0%)

Yellow (75%)

Blue (33%)

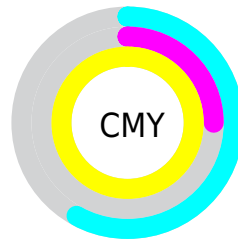


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (58%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4497, 0.3458, 0.5636 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 40.4497, 0.3458, 0.5636 by changing the saturation by 10% instead.


 40.4497, 0.3458,
0.5636


 40.4497, 0.3458,
0.5636


348.0154, 0.3408,
0.4404


 27.8893, 0.3416,
0.5929


 75.8478, 0.3477,
0.5191

 18.2423, 0.3328,
0.6281


 99.4544, 0.3473,
0.5021


 11.1241, 0.3201,
0.6799


 127.5118, 0.3464,
0.4878

 6.1503, 0.2827,
0.7173

 160.4044, 0.3453,
0.4755

 2.9367, 0.2259,
0.7741

 198.5167, 0.3442,
0.4649

 1.0988, 0.0000,
1.0000

 242.2330, 0.3430,

 0.0000, 0.0000,

0.4556

0.0000

291.9378, 0.3419,
0.4475

■ 40.4497, 0.3458,
0.5636

■ 40.4497, 0.3458,
0.5636

■ 40.4479, 0.3458,
0.5637

■ 41.0447, 0.3503,
0.5530

■ 41.7357, 0.3530,
0.5378

■ 42.5422, 0.3534,
0.5176

■ 43.4739, 0.3515,
0.4932

■ 44.5393, 0.3475,
0.4660

■ 45.7457, 0.3420,
0.4373

■ 47.1001, 0.3354,
0.4084

■ 48.6086, 0.3281,
0.3803

■ 50.2771, 0.3204,
0.3536

Harmonies

Analogous

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



40.4497, 0.4501, 0.5083



40.4497, 0.3458, 0.5636



40.4497, 0.2391, 0.5139

Triad

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



40.4497, 0.3458, 0.5636



40.4497, 0.1256, 0.1786



40.4497, 0.4816, 0.2715

Complementary

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



40.4497, 0.3458, 0.5636



5.6073, 0.1901, 0.0821

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.



40.4497, 0.3553, 0.2101



40.4497, 0.3458, 0.5636



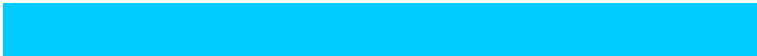
40.4497, 0.1617, 0.1588

Square

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



40.4497, 0.3458, 0.5636



40.4497, 0.1231, 0.2425



40.4497, 0.2376, 0.1706



40.4497, 0.5485, 0.3437

Rectangle

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



40.4497, 0.3458, 0.5636



40.4497, 0.1807, 0.4193



40.4497, 0.2376, 0.1706



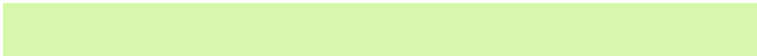
40.4497, 0.4427, 0.2493

Sweetspot

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



40.4515, 0.3458, 0.5636



84.2200, 0.3358, 0.4100



17.2377, 0.5604, 0.3932



18.2607, 0.3387, 0.4223



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.4515, 0.3458, 0.5636



72.2967, 0.3447, 0.5645



37.3459, 0.3014, 0.5989



10.9085, 0.3199, 0.3521



26.6304, 0.3467, 0.5629



1.0812, 0.3639, 0.5493

Inverse Universe

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



5.6073, 0.1901, 0.0821



9.8950, 0.1885, 0.0812



13.2616, 0.3042, 0.1450



9.4227, 0.3050, 0.3058



3.7272, 0.1914, 0.0828



0.1847, 0.2194, 0.0982

Previews

White Background



This preview shows how the Yxy color 40.4497, 0.3458, 0.5636 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 40.4497, 0.3458, 0.5636 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 40.4497, 0.3458, 0.5636

Background



This preview shows how black text looks on a background with the Yxy color 40.4497, 0.3458, 0.5636.



This preview shows how white text looks on a background with the Yxy color 40.4497, 0.3458, 0.5636.

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

40.4497, 0.3458, 0.5636

Protanopia

39.8258, 0.4401, 0.4888

Deuteranopia

39.7758, 0.4623, 0.4536



Tritanopia

40.4719, 0.2654, 0.3087

Trichromacy



Original Color

40.4497, 0.3458, 0.5636

Protanomaly

39.4179, 0.4027, 0.5184

Deuteranomaly

38.6850, 0.4185, 0.4966

Tritanomaly

39.4831, 0.3089, 0.4263

Monochromacy



Original Color

40.4497, 0.3458, 0.5636

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

31.0877, 0.3435, 0.4442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4497, 0.3458, 0.5636 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(108, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(108, 191, 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(108, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.4497, 0.3458, 0.5636 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(108, 191, 0) }
```

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

```
.border{ border-color:rgb(108, 191, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(108, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4497, 0.3458, 0.5636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 191, 0) }
```

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

```
.background{ background-color: rgb(108,  
191, 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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