

Converting Colors

$Yxy(40.4507, 0.3443, 0.5648)$

Have a look what the booklet for
Yxy(40.4507, 0.3443, 0.5648)
contains.

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Color

Yxy(40.3258, 0.3442, 0.5649)

Conversions

Conversions Part 1

Format	Color
Hex	6ABF00
RGB	106, 191, 0
RGB Percent	42%, 75%, 0%
CMY	0.5845, 0.2509, 0.9999
CMYK	0.45, 0.00, 1.00, 0.25
HSL	87°, 100%, 37%
HSV	87°, 100%, 75%
XYZ	24.5710, 40.3258, 6.4890
YIQ	143.8110, 10.6510, -77.4210

Conversions

Conversions Part 2

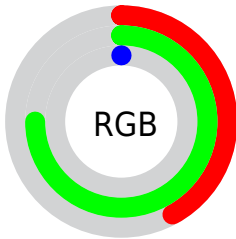
Format	Color
RYB	0, 191, 85
Decimal	6995712
CIELab	69.70, -50.88, 69.64
CIELCh	70, 86.249, 126.155
Yxy	40.3258, 0.3442, 0.5649
Android (android.graphics.Color)	4285185792 (0xFF6ABF00)
YUV	143.8110, -70.8988, -33.1602
Hunter-Lab	63.5026, -42.0628, 38.3933

Details

The Yxy color **40.3258, 0.3442, 0.5649** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **5.6980, 0.1919, 0.0831**, and the grayscale version is **28.0959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6986, 0.3470, 0.5201**, and **18.4049, 0.3169, 0.5866** is the 20% darker color. If you saturate the color by 10%, you get **40.3266, 0.3442, 0.5649**, and if you desaturate by 10%, it is **40.9220, 0.3488, 0.5542**.

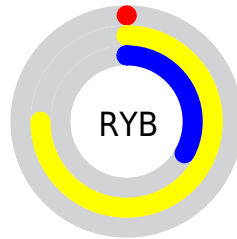
Distribution



Red (42%)

Green (75%)

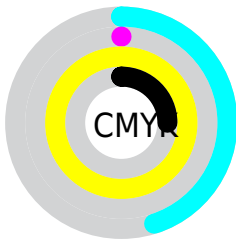
Blue (0%)



Red (0%)

Yellow (75%)

Blue (33%)

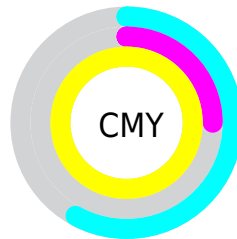


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (58%)

Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3258, 0.3442, 0.5649 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 40.3258, 0.3442, 0.5649 by changing the saturation by 10% instead.


 40.3258, 0.3442,
0.5649


 40.3258, 0.3442,
0.5649

347.4949, 0.3400,
0.4408

 27.7927, 0.3398,
0.5945


 75.6594, 0.3464,
0.5200


 18.1694, 0.3306,
0.6302


 99.2286, 0.3461,
0.5029


 11.0717, 0.3175,
0.6825


 127.2453, 0.3453,
0.4884

 6.1151, 0.2794,
0.7206

 160.0939, 0.3444,
0.4761

 2.9152, 0.2218,
0.7782

 198.1587, 0.3433,
0.4654

 1.0876, 0.0000,
1.0000

 241.8242, 0.3422,

 0.0000, 0.0000,

0.4561

0.0000

291.4748, 0.3411,
0.4480

■ 40.3258, 0.3442,
0.5649

■ 40.3258, 0.3442,
0.5649

■ 40.3266, 0.3442,
0.5649

■ 40.9220, 0.3488,
0.5542

■ 41.6162, 0.3516,
0.5389

■ 42.4282, 0.3521,
0.5185

■ 43.3679, 0.3504,
0.4939

■ 44.4437, 0.3467,
0.4665

■ 45.6633, 0.3414,
0.4377

■ 47.0334, 0.3349,
0.4087

■ 48.5605, 0.3277,
0.3805

■ 50.2504, 0.3202,
0.3538

Harmonies

Analogous

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



40.3258, 0.4491, 0.5099



40.3258, 0.3442, 0.5649



40.3258, 0.2373, 0.5134

Triad

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



40.3258, 0.3442, 0.5649



40.3258, 0.1253, 0.1774



40.3258, 0.4838, 0.2721

Complementary

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



40.3258, 0.3442, 0.5649



5.6980, 0.1919, 0.0831

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.



40.3258, 0.3573, 0.2103



40.3258, 0.3442, 0.5649



40.3258, 0.1619, 0.1582

Square

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



40.3258, 0.3442, 0.5649



40.3258, 0.1223, 0.2408



40.3258, 0.2386, 0.1704



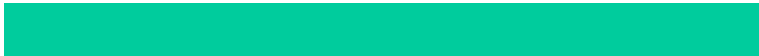
40.3258, 0.5498, 0.3445

Rectangle

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



40.3258, 0.3442, 0.5649



40.3258, 0.1791, 0.4176



40.3258, 0.2386, 0.1704



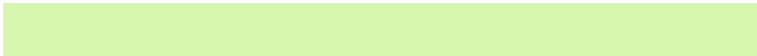
40.3258, 0.4450, 0.2498

Sweetspot

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



40.3275, 0.3442, 0.5649



84.1002, 0.3352, 0.4101



17.2320, 0.5605, 0.3932



18.2315, 0.3381, 0.4225



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.



40.3275, 0.3442, 0.5649



72.0704, 0.3432, 0.5657



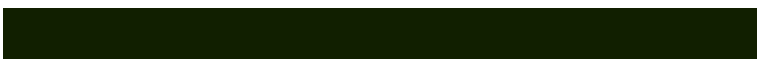
37.3498, 0.3014, 0.5989



10.9034, 0.3198, 0.3521



26.5474, 0.3451, 0.5642



1.0781, 0.3626, 0.5503

Inverse Universe

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



5.6980, 0.1919, 0.0831



10.0622, 0.1904, 0.0822



13.2606, 0.3042, 0.1450



9.4277, 0.3052, 0.3058



3.7895, 0.1933, 0.0839



0.1872, 0.2212, 0.0992

Previews

White Background



This preview shows how the Yxy color 40.3258, 0.3442, 0.5649 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 40.3258, 0.3442, 0.5649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

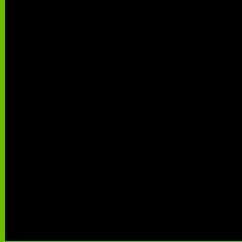
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3258, 0.3442, 0.5649

Background



This preview shows how black text looks on a background with the Yxy color 40.3258, 0.3442, 0.5649.



This preview shows how white text looks on a background with the Yxy color 40.3258, 0.3442, 0.5649.

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

40.3258, 0.3442, 0.5649

Protanopia

39.8258, 0.4401, 0.4888

Deuteranopia

39.7758, 0.4623, 0.4536



Tritanopia

40.3137, 0.2640, 0.3086

Trichromacy



Original Color

40.3258, 0.3442, 0.5649

Protanomaly

39.3144, 0.4017, 0.5192

Deuteranomaly

38.5697, 0.4175, 0.4974

Tritanomaly

39.3371, 0.3073, 0.4267

Monochromacy



Original Color

40.3258, 0.3442, 0.5649

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

31.0083, 0.3424, 0.4446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3258, 0.3442, 0.5649 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(106, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(106, 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(106, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.3258, 0.3442, 0.5649 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(106, 191, 0) }
```

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

```
.border{ border-color:rgb(106, 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(106, 191, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(106, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3258, 0.3442, 0.5649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 191, 0) }
```

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

```
.background{ background-color: rgb(106,  
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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