

Converting Colors

$Y_{xy}(50.6593, 0.3814, 0.5354)$

Have a look what the booklet for
Yxy(50.6593, 0.3814, 0.5354)
contains.

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Color

Yxy(50.6593, 0.3814, 0.5354)

Conversions

Conversions Part 1

Format	Color
Hex	A0CC00
RGB	160, 204, 0
RGB Percent	63%, 80%, 0%
CMY	0.3726, 0.2000, 1.0000
CMYK	0.22, 0.00, 1.00, 0.20
HSL	73°, 100%, 40%
HSV	73°, 100%, 80%
XYZ	36.0879, 50.6593, 7.8723
YIQ	167.5880, 39.2600, -72.7720

Conversions

Conversions Part 2

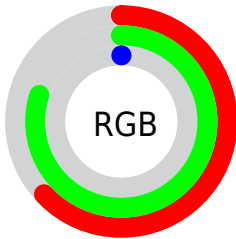
Format	Color
RYB	0, 204, 44
Decimal	10537984
CIELab	76.47, -36.53, 76.12
CIElCh	76, 84.427, 115.637
Yxy	50.6593, 0.3814, 0.5354
Android (android.graphics.Color)	4288728064 (0xFFFA0CC0)
YUV	167.5880, -82.6209, -6.6547
Hunter-Lab	71.1753, -34.0524, 43.2650

Details

The Yxy color **50.6593, 0.3814, 0.5354** is a dark color, and the websafe version is hex **99CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **4.8959, 0.1607, 0.0659**, and the grayscale version is **39.3440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.2046, 0.3797, 0.4976**, and **24.6963, 0.3659, 0.5477** is the 20% darker color. If you saturate the color by 10%, you get **50.6618, 0.3814, 0.5354**, and if you desaturate by 10%, it is **51.1755, 0.3831, 0.5282**.

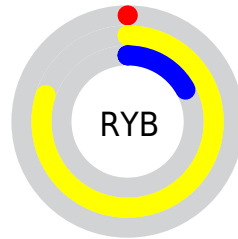
Distribution



Red (63%)

Green (80%)

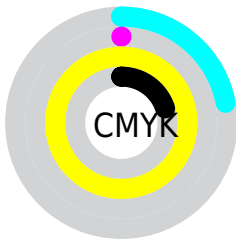
Blue (0%)



Red (0%)

Yellow (80%)

Blue (17%)

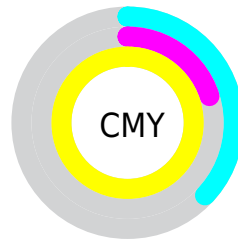


Cyan (22%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (37%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6593, 0.3814, 0.5354 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 50.6593, 0.3814, 0.5354 by changing the saturation by 10% instead.

 50.6593, 0.3814,
0.5354

 50.6593, 0.3814,
0.5354


389.2386, 0.3585,
0.4351


 35.9375, 0.3823,
0.5569


 91.1510, 0.3765,
0.5011

 24.3860, 0.3806,
0.5816


 117.6897, 0.3737,
0.4875


 15.6202, 0.3761,
0.6129


 148.9361, 0.3708,
0.4757

 9.2558, 0.3591,
0.6409

 185.2747, 0.3680,
0.4654

 4.9084, 0.3277,
0.6723

 227.0899, 0.3654,
0.4564

 2.1936, 0.2773,
0.7227

 274.7660, 0.3630,

 0.7165, 0.0000,

0.4484

1.0000

328.6874, 0.3607,
0.4414

■ 0.0000, 0.0000,
0.0000

■ 50.6593, 0.3814,
0.5354

■ 50.6593, 0.3814,
0.5354

■ 50.6618, 0.3814,
0.5354

■ 51.1755, 0.3831,
0.5282

■ 51.7602, 0.3826,
0.5170

■ 52.4349, 0.3796,
0.5012

■ 53.2099, 0.3741,
0.4812

■ 54.0936, 0.3665,
0.4580

■ 55.0939, 0.3571,
0.4326

■ 56.2174, 0.3466,
0.4061

■ 57.4704, 0.3354,
0.3796

■ 58.8588, 0.3240,
0.3537

Harmonies

Analogous

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



50.6593, 0.4722, 0.4736



50.6593, 0.3814, 0.5354



50.6593, 0.2797, 0.5238

Triad

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



50.6593, 0.3814, 0.5354



50.6593, 0.1329, 0.2049



50.6593, 0.4314, 0.2555

Complementary

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



50.6593, 0.3814, 0.5354



4.8959, 0.1607, 0.0659

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.



50.6593, 0.3128, 0.2029



50.6593, 0.3814, 0.5354



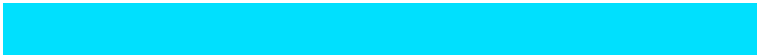
50.6593, 0.1564, 0.1727

Square

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



50.6593, 0.3814, 0.5354



50.6593, 0.1428, 0.2837



50.6593, 0.2151, 0.1740



50.6593, 0.5172, 0.3221

Rectangle

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



50.6593, 0.3814, 0.5354



50.6593, 0.2178, 0.4564



50.6593, 0.2151, 0.1740



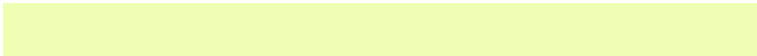
50.6593, 0.3924, 0.2358

Sweetspot

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



50.6618, 0.3814, 0.5354



93.0172, 0.3470, 0.4072



14.4106, 0.6186, 0.3470



19.7347, 0.3516, 0.4185



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.



50.6618, 0.3814, 0.5354



83.7964, 0.3809, 0.5358



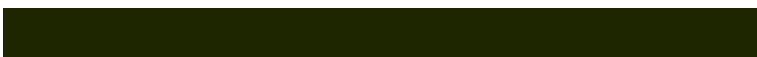
44.1879, 0.3137, 0.5891



12.9698, 0.3233, 0.3521



31.9263, 0.3819, 0.5349



1.6782, 0.3896, 0.5288

Inverse Universe

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



4.8959, 0.1607, 0.0659



8.0328, 0.1598, 0.0654



10.1823, 0.2458, 0.1128



10.9587, 0.3015, 0.3053



3.1148, 0.1618, 0.0665



0.1948, 0.1814, 0.0773

Previews

White Background



This preview shows how the Yxy color 50.6593, 0.3814, 0.5354 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 50.6593, 0.3814, 0.5354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

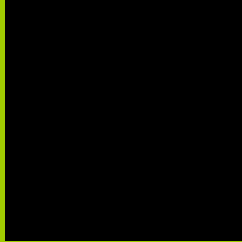
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6593, 0.3814, 0.5354

Background



This preview shows how black text looks on a background with the Yxy color 50.6593, 0.3814, 0.5354.



This preview shows how white text looks on a background with the Yxy color 50.6593, 0.3814, 0.5354.

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

50.6593, 0.3814, 0.5354

Protanopia

50.3922, 0.4399, 0.4889

Deuteranopia

49.9789, 0.4659, 0.4549



Tritanopia

50.5818, 0.2915, 0.3100

Trichromacy



Original Color

50.6593, 0.3814, 0.5354

Protanomaly

49.9210, 0.4184, 0.5060

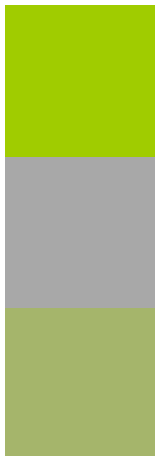
Deuteranomaly

49.1619, 0.4361, 0.4848

Tritanomaly

49.2998, 0.3414, 0.4173

Monochromacy



Original Color

50.6593, 0.3814, 0.5354

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

42.1086, 0.3576, 0.4341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6593, 0.3814, 0.5354 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(160, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(160, 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(160, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 50.6593, 0.3814, 0.5354 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(160, 204, 0) }
```

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

```
.border{ border-color:rgb(160, 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(160, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(160, 204,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6593, 0.3814, 0.5354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 204, 0) }
```

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

```
.background{ background-color: rgb(160,  
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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