

Converting Colors

$Y_{xy}(38.4694, 0.3729, 0.5392)$

Have a look what the booklet for
Yxy(38.4694, 0.3729, 0.5392)
contains.

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Color

Yxy(38.5440, 0.3724, 0.5395)

Conversions

Conversions Part 1

Format	Color
Hex	86B609
RGB	134, 182, 9
RGB Percent	53%, 71%, 4%
CMY	0.4746, 0.2862, 0.9649
CMYK	0.26, 0.00, 0.95, 0.29
HSL	77°, 91%, 37%
HSV	77°, 95%, 71%
XYZ	26.6057, 38.5440, 6.2942
YIQ	147.9260, 26.9250, -63.9790

Conversions

Conversions Part 2

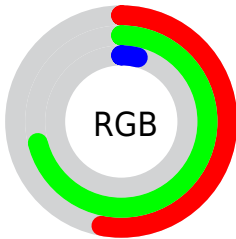
Format	Color
R _Y B	9, 182, 57
Decimal	8828425
CIE Lab	68.42, -36.80, 68.22
CIE LCh	68, 77.513, 118.345
Yxy	38.5440, 0.3724, 0.5395
Android (android.graphics.Color)	4287018505 (0xFF86B609)
YUV	147.9260, -68.4905, -12.2131
Hunter-Lab	62.0838, -32.1514, 37.4477

Details

The Yxy color **38.5440, 0.3724, 0.5395** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **4.4419, 0.1726, 0.0750**, and the grayscale version is **29.8617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8195, 0.3683, 0.5009**, and **17.3202, 0.3537, 0.5573** is the 20% darker color. If you saturate the color by 10%, you get **38.3242, 0.3711, 0.5435**, and if you desaturate by 10%, it is **39.0310, 0.3740, 0.5293**.

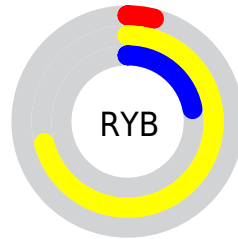
Distribution



Red (53%)

Green (71%)

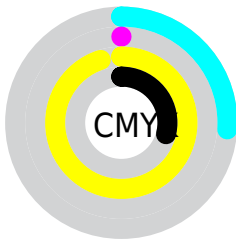
Blue (4%)



Red (4%)

Yellow (71%)

Blue (22%)

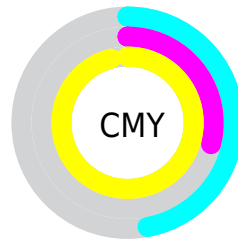


Cyan (26%)

Magenta (0%)

Yellow (95%)

Black (29%)



Cyan (47%)


Magenta (29%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5440, 0.3724, 0.5395 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 38.5440, 0.3724, 0.5395 by changing the saturation by 10% instead.


 38.5440, 0.3724,
0.5395

 38.5440, 0.3724,
0.5395


339.9479, 0.3523,
0.4309

 26.4052, 0.3723,
0.5646


 72.9412, 0.3685,
0.5008

 17.1270, 0.3687,
0.5942


 95.9683, 0.3660,
0.4859

 10.3251, 0.3629,
0.6371


 123.3937, 0.3634,
0.4732

 5.6150, 0.3338,
0.6662

 155.6017, 0.3609,
0.4623

 2.6124, 0.2878,
0.7122

 192.9767, 0.3585,
0.4528

 0.9329, 0.0000,
1.0000

 235.9032, 0.3563,

 0.0000, 0.0000,

0.4446

0.0000

284.7654, 0.3542,
0.4373

■ 38.5440, 0.3724,
0.5395

■ 38.5440, 0.3724,
0.5395

■ 38.3242, 0.3711,
0.5435

■ 39.0310, 0.3740,
0.5293

■ 39.5885, 0.3733,
0.5144

■ 40.2269, 0.3700,
0.4951

■ 40.9534, 0.3644,
0.4722

■ 41.7742, 0.3569,
0.4468

■ 42.6949, 0.3481,
0.4201

■ 43.7204, 0.3383,
0.3930

■ 44.8556, 0.3281,
0.3666

■ 46.1046, 0.3179,
0.3413

Harmonies

Analogous

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



38.5440, 0.4656, 0.4809



38.5440, 0.3724, 0.5395



38.5440, 0.2704, 0.5185

Triad

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



38.5440, 0.3724, 0.5395



38.5440, 0.1330, 0.1997



38.5440, 0.4422, 0.2607

Complementary

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



38.5440, 0.3724, 0.5395



4.4419, 0.1726, 0.0750

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.



38.5440, 0.3232, 0.2063



38.5440, 0.3724, 0.5395



38.5440, 0.1595, 0.1709

Square

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



38.5440, 0.3724, 0.5395



38.5440, 0.1396, 0.2739



38.5440, 0.2219, 0.1749



38.5440, 0.5226, 0.3283

Rectangle

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



38.5440, 0.3724, 0.5395



38.5440, 0.2098, 0.4454



38.5440, 0.2219, 0.1749



38.5440, 0.4036, 0.2405

Sweetspot

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



38.5457, 0.3724, 0.5395



78.4112, 0.3427, 0.4049



12.7083, 0.5911, 0.3627



17.1467, 0.3468, 0.4165



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



38.5457, 0.3724, 0.5395



69.3496, 0.3703, 0.5442



34.1408, 0.3109, 0.5876



10.3747, 0.3222, 0.3519



27.0955, 0.3717, 0.5431



0.9844, 0.3845, 0.5329

Inverse Universe

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



4.4419, 0.1726, 0.0750



7.2754, 0.1662, 0.0689



9.2905, 0.2655, 0.1256



8.8369, 0.3026, 0.3057



2.9025, 0.1686, 0.0703



0.1343, 0.1981, 0.0865

Previews

White Background



This preview shows how the Yxy color 38.5440, 0.3724, 0.5395 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 38.5440, 0.3724, 0.5395 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 38.5440, 0.3724, 0.5395

Background



This preview shows how black text looks on a background with the Yxy color 38.5440, 0.3724, 0.5395.



This preview shows how white text looks on a background with the Yxy color 38.5440, 0.3724, 0.5395.

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

38.5440, 0.3724, 0.5395

Protanopia

38.3288, 0.4404, 0.4885

Deuteranopia

38.1304, 0.4630, 0.4547



Tritanopia

38.3741, 0.2858, 0.3090

Trichromacy



Original Color

38.5440, 0.3724, 0.5395

Protanomaly

37.8365, 0.4149, 0.5078

Deuteranomaly

37.6571, 0.4299, 0.4862

Tritanomaly

37.6479, 0.3308, 0.4124

Monochromacy



Original Color

38.5440, 0.3724, 0.5395

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.8443, 0.3522, 0.4304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5440, 0.3724, 0.5395 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(134, 182, 9)` looks like.

```
.text, #text, p{  
    color:rgb(134, 182, 9)  
}
```

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(134, 182, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 182, 9) }
```

Border

The CSS property to change the border of an element to Yxy 38.5440, 0.3724, 0.5395 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(134, 182, 9) }
```

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

```
.border{ border-color:rgb(134, 182, 9) }
```

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

Here you see how a box with a 4 pixel rgb(134, 182, 9) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 182, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 182, 9);  
box-shadow:4px 4px 4px 4px rgb(134, 182,  
9) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5440, 0.3724, 0.5395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 182, 9) }
```

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

```
.background{ background-color: rgb(134,  
182, 9) }
```

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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