

Converting Colors

$Y_{xy}(49.6795, 0.3568, 0.5390)$

Have a look what the booklet for
Yxy(49.6795, 0.3568, 0.5390)
contains.

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Color

Yxy(49.6795, 0.3568, 0.5390)

Conversions

Conversions Part 1

Format	Color
Hex	8ACE25
RGB	138, 206, 37
RGB Percent	54%, 81%, 15%
CMY	0.4588, 0.1921, 0.8550
CMYK	0.33, 0.00, 0.82, 0.19
HSL	84°, 70%, 48%
HSV	84°, 82%, 81%
XYZ	32.8862, 49.6795, 9.6041
YIQ	166.4020, 13.7210, -66.9750

Conversions

Conversions Part 2

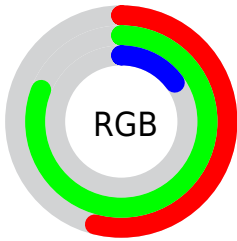
Format	Color
R _Y B	37, 206, 105
Decimal	9096741
CIE Lab	75.87, -44.98, 69.37
CIE LCh	76, 82.680, 122.961
Yxy	49.6795, 0.3568, 0.5390
Android (android.graphics.Color)	4287286821 (0xFF8ACE25)
YUV	166.4020, -63.7952, -24.9086
Hunter-Lab	70.4837, -40.0622, 41.2597

Details

The Yxy color **49.6795, 0.3568, 0.5390** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **8.7813, 0.2060, 0.1026**, and the grayscale version is **38.6486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1566, 0.3580, 0.4957**, and **23.8387, 0.3418, 0.5668** is the 20% darker color. If you saturate the color by 10%, you get **48.9065, 0.3539, 0.5524**, and if you desaturate by 10%, it is **50.5837, 0.3573, 0.5204**.

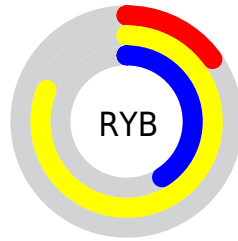
Distribution



Red (54%)

Green (81%)

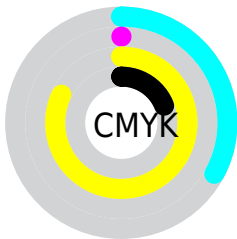
Blue (15%)



Red (15%)

Yellow (81%)

Blue (41%)

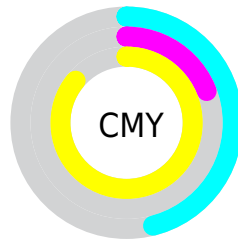


Cyan (33%)

Magenta (0%)

Yellow (82%)

Black (19%)



Cyan (46%)


Magenta (19%)


Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6795, 0.3568, 0.5390 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 49.6795, 0.3568, 0.5390 by changing the saturation by 10% instead.


 49.6795, 0.3568,
0.5390


 49.6795, 0.3568,
0.5390

385.4113, 0.3446,
0.4328


 35.1588, 0.3558,
0.5635


 89.6998, 0.3553,
0.5014


 23.7852, 0.3520,
0.5929


 115.9683, 0.3538,
0.4869


 15.1744, 0.3433,
0.6286


 146.9214, 0.3522,
0.4745

 8.9419, 0.3264,
0.6736

 182.9436, 0.3505,
0.4638

 4.7033, 0.2868,
0.7132

 224.4193, 0.3489,
0.4545

 2.0742, 0.2162,
0.7838

 271.7329, 0.3474,

 0.6501, 0.0000,

0.4464

1.0000

325.2687, 0.3459,
0.4392

■ 0.0000, 0.0000,
0.0000

■ 49.6795, 0.3568,
0.5390

■ 49.6795, 0.3568,
0.5390

■ 48.9065, 0.3539,
0.5524

■ 50.5837, 0.3573,
0.5204

■ 48.3647, 0.3504,
0.5600

■ 51.6245, 0.3555,
0.4975

■ 52.8141, 0.3515,
0.4712

■ 54.1614, 0.3457,
0.4432

■ 55.6746, 0.3387,
0.4145

■ 57.3609, 0.3309,
0.3862

■ 59.2273, 0.3227,
0.3592

■ 61.2802, 0.3144,
0.3339

■ 63.5257, 0.3063,
0.3106

Harmonies

Analogous

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



49.6795, 0.4511, 0.4903



49.6795, 0.3568, 0.5390



49.6795, 0.2569, 0.5010

Triad

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



49.6795, 0.3568, 0.5390



49.6795, 0.1374, 0.1950



49.6795, 0.4558, 0.2717

Complementary

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



49.6795, 0.3568, 0.5390



8.7813, 0.2060, 0.1026

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.



49.6795, 0.3411, 0.2152



49.6795, 0.3568, 0.5390



49.6795, 0.1688, 0.1720

Square

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



49.6795, 0.3568, 0.5390



49.6795, 0.1390, 0.2605



49.6795, 0.2365, 0.1802



49.6795, 0.5243, 0.3399

Rectangle

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



49.6795, 0.3568, 0.5390



49.6795, 0.2001, 0.4226



49.6795, 0.2365, 0.1802



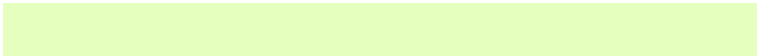
49.6795, 0.4198, 0.2510

Sweetspot

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



49.6817, 0.3568, 0.5390



92.0083, 0.3335, 0.3953



23.2763, 0.5247, 0.3966



19.4857, 0.3363, 0.4054



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.



49.6817, 0.3568, 0.5390



78.4457, 0.3506, 0.5590



45.0596, 0.3060, 0.5765



12.8628, 0.3205, 0.3523



29.8377, 0.3513, 0.5593



1.5828, 0.3645, 0.5488

Inverse Universe

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



8.7813, 0.2060, 0.1026



10.3733, 0.1851, 0.0800



16.6106, 0.3002, 0.1520



11.0606, 0.3044, 0.3055



3.9264, 0.1856, 0.0796



0.2464, 0.2082, 0.0921

Previews

White Background



This preview shows how the Yxy color 49.6795, 0.3568, 0.5390 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 49.6795, 0.3568, 0.5390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

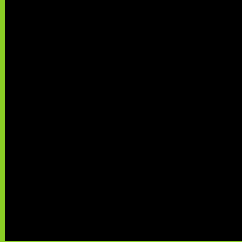
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6795, 0.3568, 0.5390

Background



This preview shows how black text looks on a background with the Yxy color 49.6795, 0.3568, 0.5390.



This preview shows how white text looks on a background with the Yxy color 49.6795, 0.3568, 0.5390.

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

49.6795, 0.3568, 0.5390

Protanopia

49.3466, 0.4352, 0.4814

Deuteranopia

49.1937, 0.4585, 0.4484



Tritanopia

49.4734, 0.2764, 0.3093

Trichromacy



Original Color

49.6795, 0.3568, 0.5390

Protanomaly

48.8894, 0.4052, 0.5034

Deuteranomaly

48.3138, 0.4198, 0.4824

Tritanomaly

48.5561, 0.3139, 0.4027

Monochromacy



Original Color

49.6795, 0.3568, 0.5390

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

41.4476, 0.3401, 0.4200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6795, 0.3568, 0.5390 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(138, 206, 37)` looks like.

```
.text, #text, p{  
    color:rgb(138, 206, 37)  
}
```

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(138, 206, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 206, 37) }
```

Border

The CSS property to change the border of an element to Yxy 49.6795, 0.3568, 0.5390 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(138, 206, 37) }
```

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

```
.border{ border-color:rgb(138, 206, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 206, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 206, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 206, 37);  
box-shadow:4px 4px 4px 4px rgb(138, 206,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6795, 0.3568, 0.5390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 206, 37) }
```

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

```
.background{ background-color: rgb(138,  
206, 37) }
```

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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