

Converting Colors

$Y_{xy}(46.1490, 0.3788, 0.5287)$

Have a look what the booklet for
Yxy(46.1490, 0.3788, 0.5287)
contains.

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Color

Yxy(45.9704, 0.3793, 0.5282)

Conversions

Conversions Part 1

Format	Color
Hex	9AC319
RGB	154, 195, 25
RGB Percent	60%, 76%, 10%
CMY	0.3962, 0.2352, 0.9021
CMYK	0.21, 0.00, 0.87, 0.24
HSL	74°, 77%, 43%
HSV	74°, 87%, 76%
XYZ	33.0113, 45.9704, 8.0505
YIQ	163.3610, 30.1340, -61.5620

Conversions

Conversions Part 2

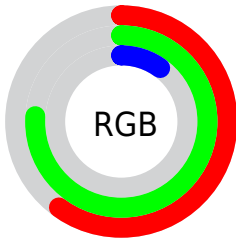
Format	Color
R _Y B	25, 195, 66
Decimal	10142489
CIE Lab	73.53, -34.43, 70.41
CIE LCh	74, 78.379, 116.056
Yxy	45.9704, 0.3793, 0.5282
Android (android.graphics.Color)	4288332569 (0xFF9AC319)
YUV	163.3610, -68.2120, -8.2096
Hunter-Lab	67.8015, -31.7442, 40.4212

Details

The Yxy color **45.9704, 0.3793, 0.5282** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **5.7934, 0.1770, 0.0824**, and the grayscale version is **37.1201, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.3560, 0.3737, 0.4940**, and **21.5911, 0.3664, 0.5473** is the 20% darker color. If you saturate the color by 10%, you get **45.4616, 0.3777, 0.5368**, and if you desaturate by 10%, it is **46.5587, 0.3785, 0.5151**.

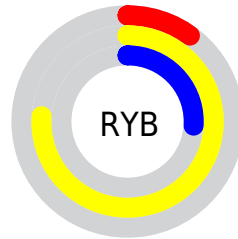
Distribution



Red (60%)

Green (76%)

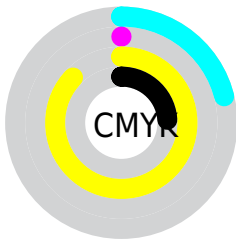
Blue (10%)



Red (10%)

Yellow (76%)

Blue (26%)

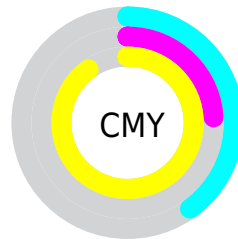


Cyan (21%)

Magenta (0%)

Yellow (87%)

Black (24%)



Cyan (40%)


Magenta (24%)

Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9704, 0.3793, 0.5282 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 45.9704, 0.3793, 0.5282 by changing the saturation by 10% instead.


 45.9704, 0.3793,
0.5282


 45.9704, 0.3793,
0.5282


370.6896, 0.3557,
0.4290

 32.2225, 0.3807,
0.5503


 84.1747, 0.3738,
0.4936


 21.5315, 0.3798,
0.5762


 109.3998, 0.3708,
0.4801


 13.5130, 0.3760,
0.6094


 139.2195, 0.3678,
0.4684

 7.7828, 0.3593,
0.6407

 174.0181, 0.3650,
0.4584

 3.9563, 0.3256,
0.6744

 214.1800, 0.3624,
0.4496

 1.6491, 0.2611,
0.7389

 260.0897, 0.3600,

 0.3904, 0.0000,

0.4419

1.0000

312.1314, 0.3578,
0.4350

■ 0.0000, 0.0000,
0.0000

■ 45.9704, 0.3793,
0.5282

■ 45.9704, 0.3793,
0.5282

■ 45.4616, 0.3777,
0.5368

■ 46.5587, 0.3785,
0.5151

■ 45.3259, 0.3771,
0.5388

■ 47.2324, 0.3752,
0.4975

■ 48.0022, 0.3695,
0.4760

■ 48.8755, 0.3618,
0.4516

■ 49.8591, 0.3525,
0.4255

■ 50.9589, 0.3422,
0.3987

■ 52.1805, 0.3314,
0.3722

■ 53.5289, 0.3205,
0.3466

■ 55.0091, 0.3097,
0.3224

Harmonies

Analogous

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



45.9704, 0.4670, 0.4713



45.9704, 0.3793, 0.5282



45.9704, 0.2807, 0.5136

Triad

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



45.9704, 0.3793, 0.5282



45.9704, 0.1383, 0.2088



45.9704, 0.4283, 0.2591

Complementary

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



45.9704, 0.3793, 0.5282



5.7934, 0.1770, 0.0824

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.



45.9704, 0.3147, 0.2075



45.9704, 0.3793, 0.5282



45.9704, 0.1617, 0.1775

Square

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



45.9704, 0.3793, 0.5282



45.9704, 0.1479, 0.2848



45.9704, 0.2197, 0.1789



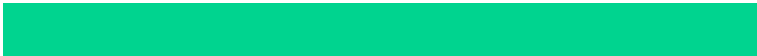
45.9704, 0.5099, 0.3244

Rectangle

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



45.9704, 0.3793, 0.5282



45.9704, 0.2208, 0.4488



45.9704, 0.2197, 0.1789



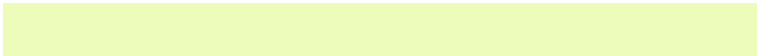
45.9704, 0.3910, 0.2398

Sweetspot

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



45.9725, 0.3793, 0.5282



91.4202, 0.3414, 0.3966



15.4138, 0.5768, 0.3621



19.8610, 0.3451, 0.4061



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.



45.9725, 0.3793, 0.5282



81.0458, 0.3764, 0.5393



40.4199, 0.3168, 0.5757



11.6319, 0.3228, 0.3520



29.4955, 0.3776, 0.5383



1.3046, 0.3874, 0.5306

Inverse Universe

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



5.7934, 0.1770, 0.0824



8.0472, 0.1622, 0.0667



11.0871, 0.2630, 0.1283



9.8628, 0.3020, 0.3055



2.9880, 0.1644, 0.0680



0.1623, 0.1884, 0.0811

Previews

White Background



This preview shows how the Yxy color 45.9704, 0.3793, 0.5282 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 45.9704, 0.3793, 0.5282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

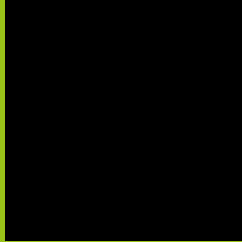
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.9704, 0.3793, 0.5282

Background



This preview shows how black text looks on a background with the Yxy color 45.9704, 0.3793, 0.5282.



This preview shows how white text looks on a background with the Yxy color 45.9704, 0.3793, 0.5282.

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

45.9704, 0.3793, 0.5282

Protanopia

45.7948, 0.4373, 0.4851

Deuteranopia

45.6239, 0.4628, 0.4525



Tritanopia

45.5793, 0.2922, 0.3092

Trichromacy



Original Color

45.9704, 0.3793, 0.5282

Protanomaly

45.4900, 0.4155, 0.5012

Deuteranomaly

45.0493, 0.4316, 0.4806

Tritanomaly

44.7316, 0.3345, 0.4025

Monochromacy



Original Color

45.9704, 0.3793, 0.5282

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

39.3258, 0.3504, 0.4201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9704, 0.3793, 0.5282 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(154, 195, 25)` looks like.

```
.text, #text, p{  
    color:rgb(154, 195, 25)  
}
```

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(154, 195, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 195, 25) }
```

Border

The CSS property to change the border of an element to Yxy 45.9704, 0.3793, 0.5282 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(154, 195, 25) }
```

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

```
.border{ border-color:rgb(154, 195, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 195, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 195, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 195, 25);  
box-shadow:4px 4px 4px 4px rgb(154, 195,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9704, 0.3793, 0.5282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 195, 25) }
```

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

```
.background{ background-color: rgb(154,  
195, 25) }
```

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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