

Converting Colors

$Yxy(39.9747, 0.3811, 0.5175)$

Have a look what the booklet for
Yxy(39.9747, 0.3811, 0.5175)
contains.

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Color

Yxy(39.9728, 0.3811, 0.5175)

Conversions

Conversions Part 1

Format	Color
Hex	95B624
RGB	149, 182, 36
RGB Percent	58%, 71%, 14%
CMY	0.4158, 0.2862, 0.8588
CMYK	0.18, 0.00, 0.80, 0.29
HSL	74°, 67%, 43%
HSV	74°, 80%, 71%
XYZ	29.4370, 39.9728, 7.8324
YIQ	155.4890, 27.1980, -52.4020

Conversions

Conversions Part 2

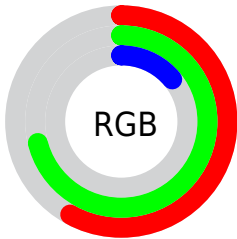
Format	Color
RYB	36, 182, 69
Decimal	9811492
CIELab	69.45, -30.03, 64.15
CIELCh	69, 70.831, 115.086
Yxy	39.9728, 0.3811, 0.5175
Android (android.graphics.Color)	4288001572 (0xFF95B624)
YUV	155.4890, -58.9081, -5.6909
Hunter-Lab	63.2240, -27.5329, 36.9118

Details

The Yxy color **39.9728, 0.3811, 0.5175** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **5.9060, 0.1853, 0.0949**, and the grayscale version is **33.2629, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0971, 0.3737, 0.4831**, and **18.0802, 0.3735, 0.5417** is the 20% darker color. If you saturate the color by 10%, you get **39.5098, 0.3814, 0.5290**, and if you desaturate by 10%, it is **40.5096, 0.3782, 0.5014**.

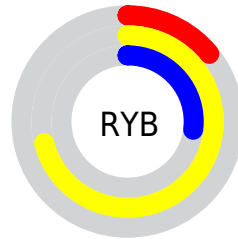
Distribution



Red (58%)

Green (71%)

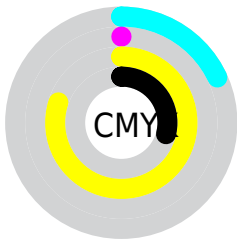
Blue (14%)



Red (14%)

Yellow (71%)

Blue (27%)

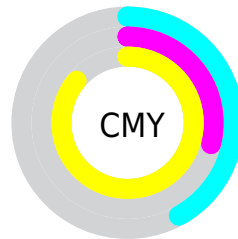


Cyan (18%)

Magenta (0%)

Yellow (80%)

Black (29%)



Cyan (42%)

Magenta (29%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9728, 0.3811, 0.5175 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 39.9728, 0.3811, 0.5175 by changing the saturation by 10% instead.


 39.9728, 0.3811,
0.5175

 39.9728, 0.3811,
0.5175


346.0089, 0.3545,
0.4212


 27.5173, 0.3837,
0.5398


 75.1221, 0.3741,
0.4832


 17.9621, 0.3841,
0.5664


 98.5847, 0.3707,
0.4700


 10.9228, 0.3827,
0.6024


 126.4852, 0.3674,
0.4588

 6.0150, 0.3659,
0.6341

 159.2079, 0.3643,
0.4491

 2.8542, 0.3302,
0.6698

 197.1372, 0.3615,
0.4407

 1.0561, 0.1983,
0.8017

 240.6576, 0.3590,

 0.0000, 0.0000,

0.4334

0.0000

290.1533, 0.3566,
0.4269

■ 39.9728, 0.3811,
0.5175

■ 39.9728, 0.3811,
0.5175

■ 39.5098, 0.3814,
0.5290

■ 40.5096, 0.3782,
0.5014

■ 39.1079, 0.3799,
0.5366

■ 41.1225, 0.3729,
0.4813

■ 41.8199, 0.3654,
0.4580

■ 42.6074, 0.3563,
0.4326

■ 43.4902, 0.3460,
0.4062

■ 44.4732, 0.3351,
0.3798

■ 45.5606, 0.3240,
0.3540

■ 46.7567, 0.3130,
0.3295

■ 48.0652, 0.3023,
0.3066

Harmonies

Analogous

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



39.9728, 0.4638, 0.4646



39.9728, 0.3811, 0.5175



39.9728, 0.2865, 0.5044

Triad

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



39.9728, 0.3811, 0.5175



39.9728, 0.1450, 0.2164



39.9728, 0.4191, 0.2606

Complementary

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



39.9728, 0.3811, 0.5175



5.9060, 0.1853, 0.0949

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.



39.9728, 0.3116, 0.2113



39.9728, 0.3811, 0.5175



39.9728, 0.1666, 0.1843

Square

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



39.9728, 0.3811, 0.5175



39.9728, 0.1558, 0.2911



39.9728, 0.2217, 0.1844



39.9728, 0.4982, 0.3238

Rectangle

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



39.9728, 0.3811, 0.5175



39.9728, 0.2284, 0.4453



39.9728, 0.2217, 0.1844



39.9728, 0.3838, 0.2421

Sweetspot

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



39.9746, 0.3811, 0.5175



79.8508, 0.3397, 0.3908



14.1638, 0.5541, 0.3624



17.4981, 0.3436, 0.4002



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.



39.9746, 0.3811, 0.5175



71.0697, 0.3802, 0.5346



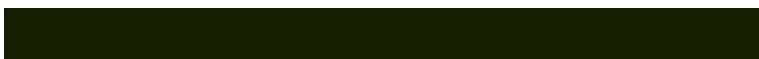
35.1808, 0.3211, 0.5609



10.3981, 0.3230, 0.3518



27.6446, 0.3803, 0.5362



1.0001, 0.3909, 0.5278

Inverse Universe

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



5.9060, 0.1853, 0.0949



7.3212, 0.1645, 0.0695



10.2707, 0.2650, 0.1361



8.8149, 0.3018, 0.3056



2.7459, 0.1631, 0.0672



0.1250, 0.1899, 0.0820

Previews

White Background



This preview shows how the Yxy color 39.9728, 0.3811, 0.5175 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 39.9728, 0.3811, 0.5175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

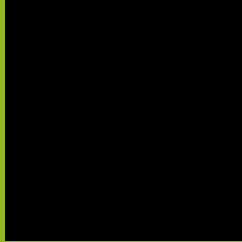
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.9728, 0.3811, 0.5175

Background



This preview shows how black text looks on a background with the Yxy color 39.9728, 0.3811, 0.5175.



This preview shows how white text looks on a background with the Yxy color 39.9728, 0.3811, 0.5175.

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

39.9728, 0.3811, 0.5175

Protanopia

39.8064, 0.4328, 0.4800

Deuteranopia

39.6920, 0.4575, 0.4494



Tritanopia

39.6873, 0.2968, 0.3096

Trichromacy



Original Color

39.9728, 0.3811, 0.5175

Protanomaly

39.5016, 0.4138, 0.4938

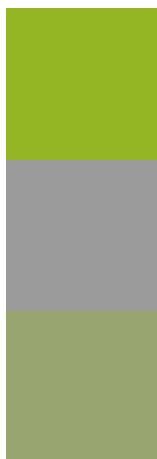
Deuteranomaly

39.3692, 0.4291, 0.4744

Tritanomaly

39.2547, 0.3358, 0.3939

Monochromacy



Original Color

39.9728, 0.3811, 0.5175

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

34.8524, 0.3478, 0.4107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9728, 0.3811, 0.5175 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(149, 182, 36)` looks like.

```
.text, #text, p{  
    color:rgb(149, 182, 36)  
}
```

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(149, 182, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 182, 36) }
```

Border

The CSS property to change the border of an element to Yxy 39.9728, 0.3811, 0.5175 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(149, 182, 36) }
```

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

```
.border{ border-color:rgb(149, 182, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 182, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 182, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 182, 36);  
box-shadow:4px 4px 4px 4px rgb(149, 182,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9728, 0.3811, 0.5175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 182, 36) }
```

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

```
.background{ background-color: rgb(149,  
182, 36) }
```

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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