

Converting Colors

$Yxy(39.1863, 0.3095, 0.5092)$

Have a look what the booklet for
Yxy(39.1863, 0.3095, 0.5092)
contains.

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Color

Yxy(39.0982, 0.3097, 0.5094)

Conversions

Conversions Part 1

Format	Color
Hex	59BD50
RGB	89, 189, 80
RGB Percent	35%, 74%, 31%
CMY	0.6507, 0.2588, 0.6862
CMYK	0.53, 0.00, 0.58, 0.26
HSL	115°, 45%, 53%
HSV	115°, 58%, 74%
XYZ	23.7705, 39.0982, 13.8847
YIQ	146.6740, -24.6110, -55.0990

Conversions

Conversions Part 2

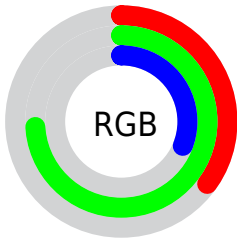
Format	Color
RYB	80, 189, 180
Decimal	5881168
CIELab	68.82, -50.59, 45.58
CIELCh	69, 68.097, 137.986
Yxy	39.0982, 0.3097, 0.5094
Android (android.graphics.Color)	4284071248 (0xFF59BD50)
YUV	146.6740, -32.8703, -50.5801
Hunter-Lab	62.5286, -41.5673, 30.6044

Details

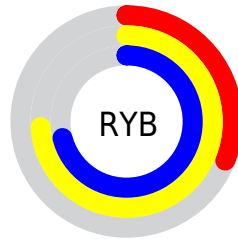
The Yxy color **39.0982, 0.3097, 0.5094** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.1084, 0.3081, 0.1908**, and the grayscale version is **29.1898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.6885, 0.3137, 0.4720**, and **17.5558, 0.2985, 0.5728** is the 20% darker color. If you saturate the color by 10%, you get **38.0991, 0.3080, 0.5409**, and if you desaturate by 10%, it is **40.3810, 0.3110, 0.4751**.

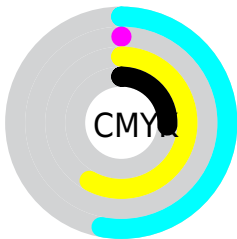
Distribution



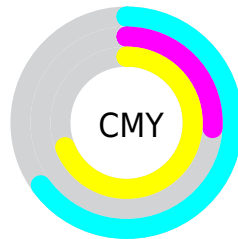
- Red (35%)
- Green (74%)
- Blue (31%)



- Red (31%)
- Yellow (74%)
- Blue (71%)



- Cyan (53%)
- Magenta (0%)
- Yellow (58%)
- Black (26%)





- Cyan (65%)
- Magenta (26%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.0982, 0.3097, 0.5094 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 39.0982, 0.3097, 0.5094 by changing the saturation by 10% instead.

 39.0982, 0.3097,
0.5094


 39.0982, 0.3097,
0.5094


342.3078, 0.3166,
0.4103

 26.8361, 0.3056,
0.5364


 73.7883, 0.3138,
0.4715

 17.4502, 0.2986,
0.5720


 96.9851, 0.3149,
0.4578


 10.5560, 0.2861,
0.6202


 124.5957, 0.3155,
0.4464

 5.7691, 0.2669,
0.6983

 157.0043, 0.3160,
0.4369

 2.7052, 0.2160,
0.7840

 194.5955, 0.3162,
0.4287

 0.9798, 0.0000,
1.0000

237.7535, 0.3164,

 0.0000, 0.0000,

0.4217

0.0000

286.8628, 0.3165,
0.4156

■ 39.0982, 0.3097,
0.5094

■ 39.0982, 0.3097,
0.5094

■ 38.0991, 0.3080,
0.5409

■ 40.3810, 0.3110,
0.4751

■ 37.3576, 0.3060,
0.5671

■ 41.9614, 0.3119,
0.4403

■ 36.8512, 0.3040,
0.5858

■ 43.8586, 0.3125,
0.4069

■ 36.5490, 0.3021,
0.5966

■ 46.0883, 0.3128,
0.3760

■ 36.5008, 0.3018,
0.5986

■ 48.6657, 0.3128,
0.3481

■ 51.6045, 0.3127,
0.3235

■ 54.9181, 0.3124,
0.3020

■ 58.6190, 0.3121,
0.2834

■ 62.7192, 0.3117,
0.2673

Harmonies

Analogous

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



39.0982, 0.4011, 0.5040



39.0982, 0.3097, 0.5094



39.0982, 0.2239, 0.4307

Triad

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



39.0982, 0.3097, 0.5094



39.0982, 0.1623, 0.1923



39.0982, 0.4794, 0.3092

Complementary

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



39.0982, 0.3097, 0.5094



19.1084, 0.3081, 0.1908

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.



39.0982, 0.3918, 0.2495



39.0982, 0.3097, 0.5094



39.0982, 0.2084, 0.1854

Square

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



39.0982, 0.3097, 0.5094



39.0982, 0.1485, 0.2330



39.0982, 0.2886, 0.2058



39.0982, 0.5089, 0.3764

Rectangle

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



39.0982, 0.3097, 0.5094



39.0982, 0.1822, 0.3534



39.0982, 0.2886, 0.2058



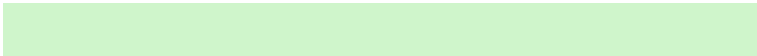
39.0982, 0.4551, 0.2882

Sweetspot

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



39.0998, 0.3097, 0.5094



82.7185, 0.3128, 0.3748



44.0051, 0.4002, 0.4547



17.6046, 0.3127, 0.3808



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



39.0998, 0.3097, 0.5094



67.8742, 0.3076, 0.5479



39.5906, 0.2783, 0.4366



10.6865, 0.3128, 0.3526



24.5745, 0.3022, 0.5983



0.9756, 0.3103, 0.5919

Inverse Universe

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



19.1084, 0.3081, 0.1908



28.6827, 0.3060, 0.1691



18.5580, 0.3812, 0.2452



9.6549, 0.3125, 0.3063



8.4880, 0.3004, 0.1428



0.3445, 0.3056, 0.1457

Previews

White Background



This preview shows how the Yxy color 39.0982, 0.3097, 0.5094 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 39.0982, 0.3097, 0.5094 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 39.0982, 0.3097, 0.5094

Background



This preview shows how black text looks on a background with the Yxy color 39.0982, 0.3097, 0.5094.



This preview shows how white text looks on a background with the Yxy color 39.0982, 0.3097, 0.5094.

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

39.0982, 0.3097, 0.5094

Protanopia

38.4328, 0.4105, 0.4504

Deuteranopia

38.3382, 0.4247, 0.4168



Tritanopia

38.7608, 0.2534, 0.3065

Trichromacy



Original Color

39.0982, 0.3097, 0.5094



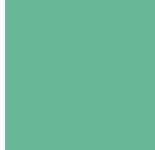
Protanomaly

37.6658, 0.3677, 0.4741



Deuteranomaly

37.0867, 0.3764, 0.4516



Tritanomaly

38.2252, 0.2748, 0.3776

Monochromacy



Original Color

39.0982, 0.3097, 0.5094



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

31.7063, 0.3124, 0.3946

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.0982, 0.3097, 0.5094 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(89, 189, 80)` looks like.

```
.text, #text, p{  
    color:rgb(89, 189, 80)  
}
```

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(89, 189, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 189, 80) }
```

Border

The CSS property to change the border of an element to Yxy 39.0982, 0.3097, 0.5094 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(89, 189, 80) }
```

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

```
.border{ border-color:rgb(89, 189, 80) }
```

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

Here you see how a box with a 4 pixel rgb(89, 189, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 189, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 189, 80);  
box-shadow:4px 4px 4px 4px rgb(89, 189,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 39.0982, 0.3097, 0.5094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 189, 80) }
```

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

```
.background{ background-color: rgb(89, 189,  
80) }
```

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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