

Converting Colors

$Yxy(39.6891, 0.3260, 0.5457)$

Have a look what the booklet for
Yxy(39.6891, 0.3260, 0.5457)
contains.

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Color

Yxy(39.8630, 0.3260, 0.5460)

Conversions

Conversions Part 1

Format	Color
Hex	5EBF31
RGB	94, 191, 49
RGB Percent	37%, 75%, 19%
CMY	0.6314, 0.2510, 0.8078
CMYK	0.51, 0.00, 0.74, 0.25
HSL	101°, 59%, 47%
HSV	101°, 74%, 75%
XYZ	23.8010, 39.8630, 9.3452
YIQ	145.8090, -12.2300, -64.7260

Conversions

Conversions Part 2

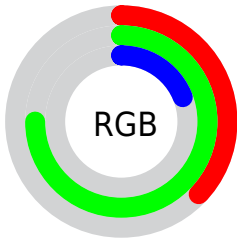
Format	Color
RYB	49, 191, 146
Decimal	6209329
CIELab	69.37, -52.83, 58.97
CIELCh	69, 79.174, 131.855
Yxy	39.8630, 0.3260, 0.5460
Android (android.graphics.Color)	4284399409 (0xFF5EBF31)
YUV	145.8090, -47.7268, -45.4365
Hunter-Lab	63.1372, -43.2004, 35.4203

Details

The Yxy color **39.8630, 0.3260, 0.5460** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **12.0703, 0.2634, 0.1422**, and the grayscale version is **28.8657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8301, 0.3290, 0.5018**, and **18.1109, 0.3074, 0.5941** is the 20% darker color. If you saturate the color by 10%, you get **39.1037, 0.3227, 0.5671**, and if you desaturate by 10%, it is **40.8106, 0.3277, 0.5195**.

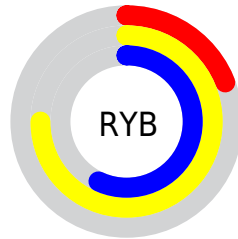
Distribution



Red (37%)

Green (75%)

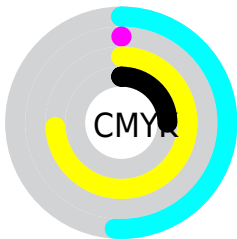
Blue (19%)



Red (19%)

Yellow (75%)

Blue (57%)

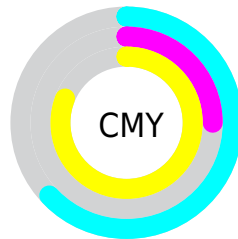


Cyan (51%)

Magenta (0%)

Yellow (74%)

Black (25%)



Cyan (63%)


Magenta (25%)

Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8630, 0.3260, 0.5460 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 39.8630, 0.3260, 0.5460 by changing the saturation by 10% instead.

 39.8630, 0.3260,
0.5460


 39.8630, 0.3260,
0.5460

345.5458, 0.3279,
0.4287


 27.4317, 0.3216,
0.5762


 74.9549, 0.3294,
0.5022


 17.8977, 0.3132,
0.6143


 98.3842, 0.3298,
0.4860


 10.8766, 0.2980,
0.6640


 126.2484, 0.3298,
0.4724

 5.9839, 0.2698,
0.7302

 158.9319, 0.3296,
0.4609

 2.8353, 0.2089,
0.7911

 196.8189, 0.3292,
0.4511

 1.0464, 0.0000,
1.0000

 240.2940, 0.3288,

 0.0000, 0.0000,

0.4426

0.0000

289.7415, 0.3283,
0.4352

■ 39.8630, 0.3260,
0.5460

■ 39.8630, 0.3260,
0.5460

■ 39.1037, 0.3227,
0.5671

■ 40.8106, 0.3277,
0.5195

■ 38.5125, 0.3182,
0.5816

■ 41.9546, 0.3279,
0.4893

■ 38.2404, 0.3155,
0.5877

■ 43.3084, 0.3268,
0.4573

■ 44.8828, 0.3245,
0.4253

■ 46.6877, 0.3216,
0.3946

■ 48.7325, 0.3181,
0.3658

■ 51.0259, 0.3144,
0.3396

■ 53.5762, 0.3106,
0.3160

■ 56.3914, 0.3068,
0.2950

Harmonies

Analogous

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



39.8630, 0.4266, 0.5140



39.8630, 0.3260, 0.5460



39.8630, 0.2272, 0.4747

Triad

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



39.8630, 0.3260, 0.5460



39.8630, 0.1396, 0.1809



39.8630, 0.4884, 0.2896

Complementary

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



39.8630, 0.3260, 0.5460



12.0703, 0.2634, 0.1422

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.



39.8630, 0.3780, 0.2276



39.8630, 0.3260, 0.5460



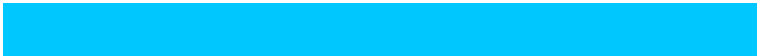
39.8630, 0.1817, 0.1679

Square

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



39.8630, 0.3260, 0.5460



39.8630, 0.1310, 0.2328



39.8630, 0.2626, 0.1847



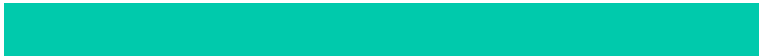
39.8630, 0.5357, 0.3608

Rectangle

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



39.8630, 0.3260, 0.5460



39.8630, 0.1764, 0.3837



39.8630, 0.2626, 0.1847



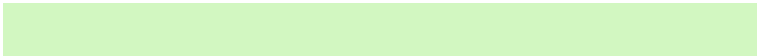
39.8630, 0.4561, 0.2675

Sweetspot

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



39.8647, 0.3260, 0.5460



84.3105, 0.3209, 0.3886



31.1453, 0.4544, 0.4428



18.3046, 0.3218, 0.3968



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



39.8647, 0.3260, 0.5460



69.3553, 0.3201, 0.5767



38.3931, 0.2928, 0.5330



10.7924, 0.3162, 0.3524



25.1684, 0.3164, 0.5870



1.0218, 0.3361, 0.5714

Inverse Universe

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



12.0703, 0.2634, 0.1422



16.9476, 0.2498, 0.1192



16.0761, 0.3526, 0.1915



9.5406, 0.3088, 0.3060



5.6604, 0.2431, 0.1113



0.2552, 0.2624, 0.1219

Previews

White Background



This preview shows how the Yxy color 39.8630, 0.3260, 0.5460 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 39.8630, 0.3260, 0.5460 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 39.8630, 0.3260, 0.5460

Background



This preview shows how black text looks on a background with the Yxy color 39.8630, 0.3260, 0.5460.



This preview shows how white text looks on a background with the Yxy color 39.8630, 0.3260, 0.5460.

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

39.8630, 0.3260, 0.5460

Protanopia

39.3692, 0.4291, 0.4744

Deuteranopia

39.1911, 0.4485, 0.4393



Tritanopia

39.5685, 0.2574, 0.3082

Trichromacy



Original Color

39.8630, 0.3260, 0.5460



Protanomaly

38.5038, 0.3865, 0.5041



Deuteranomaly

37.7461, 0.3996, 0.4797



Tritanomaly

39.0754, 0.2866, 0.3985

Monochromacy



Original Color

39.8630, 0.3260, 0.5460



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.5004, 0.3235, 0.4152

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8630, 0.3260, 0.5460 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(94, 191, 49)` looks like.

```
.text, #text, p{  
  color:rgb(94, 191, 49)  
}
```

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(94, 191, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 191, 49) }
```

Border

The CSS property to change the border of an element to Yxy 39.8630, 0.3260, 0.5460 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(94, 191, 49) }
```

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

```
.border{ border-color:rgb(94, 191, 49) }
```

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

Here you see how a box with a 4 pixel rgb(94, 191, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 191, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 191, 49);  
box-shadow:4px 4px 4px 4px rgb(94, 191,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8630, 0.3260, 0.5460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 191, 49) }
```

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

```
.background{ background-color: rgb(94, 191,  
49) }
```

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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