

Converting Colors

Yxy(38.5317, 0.3196, 0.5230)

Have a look what the booklet for
Yxy(38.5317, 0.3196, 0.5230)
contains.

Yxy(38.3377, 0.3192, 0.5223)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.3377, 0.3192, 0.5223)

Conversions

Conversions Part 1

Format	Color
Hex	5EBB44
RGB	94, 187, 68
RGB Percent	37%, 73%, 27%
CMY	0.6314, 0.2667, 0.7333
CMYK	0.50, 0.00, 0.64, 0.27
HSL	107°, 47%, 50%
HSV	107°, 64%, 73%
XYZ	23.4298, 38.3377, 11.6342
YIQ	145.6270, -17.2290, -56.7250

Conversions

Conversions Part 2

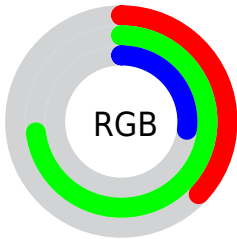
Format	Color
RYB	68, 187, 161
Decimal	6208324
CIELab	68.27, -49.72, 50.39
CIELCh	68, 70.788, 134.619
Yxy	38.3377, 0.3192, 0.5223
Android (android.graphics.Color)	4284398404 (0xFF5EBB44)
YUV	145.6270, -38.2701, -45.2769
Hunter-Lab	61.9174, -40.8104, 32.2017

Details

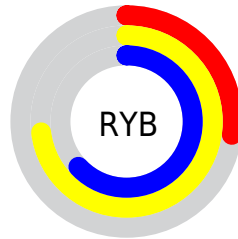
The Yxy color **38.3377, 0.3192, 0.5223** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **15.3010, 0.2871, 0.1707**, and the grayscale version is **28.7496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.6612, 0.3221, 0.4819**, and **17.0664, 0.3085, 0.5875** is the 20% darker color. If you saturate the color by 10%, you get **37.4454, 0.3172, 0.5502**, and if you desaturate by 10%, it is **39.4524, 0.3201, 0.4907**.

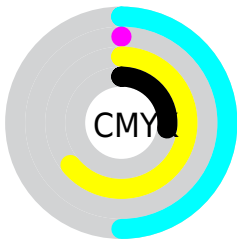
Distribution



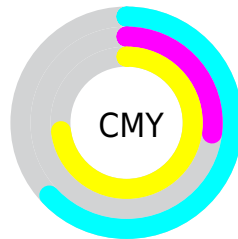
- Red (37%)
- Green (73%)
- Blue (27%)



- Red (27%)
- Yellow (73%)
- Blue (63%)



- Cyan (50%)
- Magenta (0%)
- Yellow (64%)
- Black (27%)



- Cyan (63%)
- Magenta (27%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.3377, 0.3192, 0.5223 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 38.3377, 0.3192, 0.5223 by changing the saturation by 10% instead.

 38.3377, 0.3192,
0.5223


 38.3377, 0.3192,
0.5223


339.0664, 0.3222,
0.4164

 26.2449, 0.3155,
0.5507


 72.6254, 0.3223,
0.4820

 17.0069, 0.3086,
0.5877


 95.5892, 0.3228,
0.4674

 10.2394, 0.2954,
0.6365


 122.9453, 0.3230,
0.4552

 5.5580, 0.2776,
0.7224

 155.0783, 0.3230,
0.4450

 2.5782, 0.2156,
0.7844

 192.3725, 0.3229,
0.4362

 0.9157, 0.0000,
1.0000

235.2123, 0.3227,

 0.0000, 0.0000,

0.4287

0.0000

283.9822, 0.3225,
0.4221

■ 38.3377, 0.3192,
0.5223

■ 38.3377, 0.3192,
0.5223

■ 37.4454, 0.3172,
0.5502

■ 39.4524, 0.3201,
0.4907

■ 36.7550, 0.3141,
0.5722

■ 40.7985, 0.3200,
0.4575

■ 36.2506, 0.3103,
0.5871

■ 42.3903, 0.3191,
0.4245

■ 36.0106, 0.3080,
0.5937

■ 44.2396, 0.3176,
0.3931

■ 46.3572, 0.3157,
0.3640

■ 48.7537, 0.3135,
0.3378

■ 51.4386, 0.3113,
0.3145

■ 54.4212, 0.3090,
0.2939

■ 57.7106, 0.3067,
0.2758

Harmonies

Analogous

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



38.3377, 0.4131, 0.5056



38.3377, 0.3192, 0.5223



38.3377, 0.2285, 0.4488

Triad

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



38.3377, 0.3192, 0.5223



38.3377, 0.1539, 0.1898



38.3377, 0.4792, 0.3003

Complementary

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



38.3377, 0.3192, 0.5223



15.3010, 0.2871, 0.1707

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.



38.3377, 0.3829, 0.2403



38.3377, 0.3192, 0.5223



38.3377, 0.1972, 0.1796

Square

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



38.3377, 0.3192, 0.5223



38.3377, 0.1432, 0.2358



38.3377, 0.2762, 0.1978



38.3377, 0.5172, 0.3686

Rectangle

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



38.3377, 0.3192, 0.5223



38.3377, 0.1828, 0.3677



38.3377, 0.2762, 0.1978



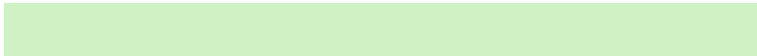
38.3377, 0.4516, 0.2790

Sweetspot

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



38.3393, 0.3192, 0.5223



80.8103, 0.3168, 0.3802



35.8607, 0.4224, 0.4458



17.5622, 0.3174, 0.3887



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.



38.3393, 0.3192, 0.5223



66.5767, 0.3162, 0.5588



37.6864, 0.2870, 0.4819



10.7474, 0.3148, 0.3525



24.8371, 0.3086, 0.5932



1.0023, 0.3257, 0.5796

Inverse Universe

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



15.3010, 0.2871, 0.1707



22.0272, 0.2793, 0.1466



17.0758, 0.3631, 0.2175



9.5883, 0.3104, 0.3061



6.7248, 0.2668, 0.1243



0.2900, 0.2805, 0.1319

Previews

White Background



This preview shows how the Yxy color 38.3377, 0.3192, 0.5223 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 38.3377, 0.3192, 0.5223 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 38.3377, 0.3192, 0.5223

Background



This preview shows how black text looks on a background with the Yxy color 38.3377, 0.3192, 0.5223.



This preview shows how white text looks on a background with the Yxy color 38.3377, 0.3192, 0.5223.

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

38.3377, 0.3192, 0.5223

Protanopia

37.9345, 0.4183, 0.4598

Deuteranopia

37.4871, 0.4351, 0.4259



Tritanopia

38.1160, 0.2573, 0.3079

Trichromacy



Original Color

38.3377, 0.3192, 0.5223

Protanomaly

37.3177, 0.3775, 0.4856

Deuteranomaly

36.3922, 0.3875, 0.4616

Tritanomaly

37.5357, 0.2820, 0.3844

Monochromacy



Original Color

38.3377, 0.3192, 0.5223

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

31.3098, 0.3177, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.3377, 0.3192, 0.5223 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, 187, 68)` looks like.

```
.text, #text, p{  
    color:rgb(94, 187, 68)  
}
```

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, 187, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 187, 68) }
```

Border

The CSS property to change the border of an element to Yxy 38.3377, 0.3192, 0.5223 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, 187, 68) }
```

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

```
.border{ border-color:rgb(94, 187, 68) }
```

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

Here you see how a box with a 4 pixel rgb(94, 187, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 187, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 187, 68);  
box-shadow:4px 4px 4px 4px rgb(94, 187,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 38.3377, 0.3192, 0.5223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 187, 68) }
```

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

```
.background{ background-color: rgb(94, 187,  
68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor