

Converting Colors

Yxy(38.6066, 0.2992, 0.4703)

Have a look what the booklet for
Yxy(38.6066, 0.2992, 0.4703)
contains.

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Color

Yxy(38.7952, 0.2988, 0.4705)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 5CBB67 |
| RGB | 92, 187, 103 |
| RGB Percent | 36%, 73%, 40% |
| CMY | 0.6389, 0.2667, 0.5961 |
| CMYK | 0.51, 0.00, 0.45, 0.27 |
| HSL | 127°, 41%, 55% |
| HSV | 127°, 51%, 73% |
| XYZ | 24.6376, 38.7952, 19.0224 |
| YIQ | 149.0190, -29.6560, -46.2640 |

Conversions

Conversions Part 2

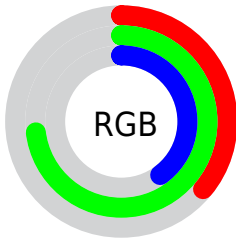
| Format | Color |
|-------------------------------------|--|
| RYB | 92, 177, 187 |
| Decimal | 6077287 |
| CIELab | 68.60, -45.86, 34.06 |
| CIELCh | 69, 57.127, 143.400 |
| Yxy | 38.7952, 0.2988, 0.4705 |
| Android (android.graphics.Color) | 4284267367 (0xFF5CBB67) |
| YUV | 149.0190, -22.6874, -50.0057 |
| Hunter-Lab | 62.2858, -38.3931, 25.4926 |

Details

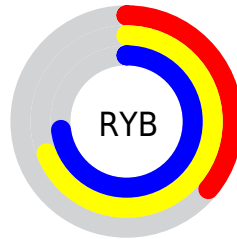
The Yxy color **38.7952, 0.2988, 0.4705** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **21.3682, 0.3314, 0.2201**, and the grayscale version is **30.1782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.3638, 0.3034, 0.4410**, and **17.3174, 0.2885, 0.5211** is the 20% darker color. If you saturate the color by 10%, you get **37.6488, 0.2970, 0.5027**, and if you desaturate by 10%, it is **40.2483, 0.3011, 0.4382**.

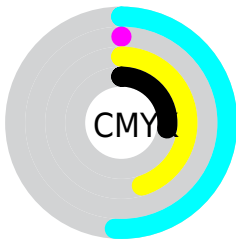
Distribution



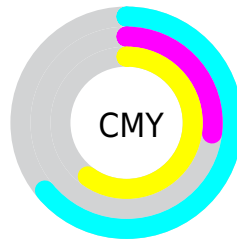
- Red (36%)
- Green (73%)
- Blue (40%)



- Red (36%)
- Yellow (69%)
- Blue (73%)



- Cyan (51%)
- Magenta (0%)
- Yellow (45%)
- Black (27%)





- Cyan (64%)
- Magenta (27%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.7952, 0.2988, 0.4705 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 38.7952, 0.2988, 0.4705 by changing the saturation by 10% instead.

 38.7952, 0.2988,
0.4705


 38.7952, 0.2988,
0.4705


341.0190, 0.3091,
0.3927


 26.6004, 0.2948,
0.4922


 73.3253, 0.3035,
0.4405

 17.2734, 0.2888,
0.5213


 96.4295, 0.3049,
0.4298

 10.4296, 0.2788,
0.5621


 123.9390, 0.3061,
0.4209

 5.6847, 0.2610,
0.6219

 156.2381, 0.3069,
0.4134

 2.6543, 0.2399,
0.7601

193.7112, 0.3076,
0.4071

 0.9541, 0.0000,
1.0000

236.7428, 0.3082,

 0.0000, 0.0000,

0.4016

0.0000

285.7173, 0.3087,
0.3969

■ 38.7952, 0.2988,
0.4705

■ 38.7952, 0.2988,
0.4705

■ 37.6488, 0.2970,
0.5027

■ 40.2483, 0.3011,
0.4382

■ 36.7825, 0.2960,
0.5330

■ 42.0229, 0.3039,
0.4074

■ 36.1734, 0.2959,
0.5590

■ 44.1384, 0.3067,
0.3789

■ 35.7925, 0.2967,
0.5791

■ 46.6115, 0.3097,
0.3533

■ 35.5945, 0.2977,
0.5916

■ 49.4577, 0.3125,
0.3306

■ 52.6915, 0.3152,
0.3108

■ 56.3269, 0.3177,
0.2936

■ 60.3768, 0.3201,
0.2788

■ 63.8214, 0.3181,
0.2652

Harmonies

Analogous

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



38.7952, 0.3787, 0.4831



38.7952, 0.2988, 0.4705



38.7952, 0.2270, 0.3967

Triad

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



38.7952, 0.2988, 0.4705



38.7952, 0.1868, 0.2075



38.7952, 0.4621, 0.3249

Complementary

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



38.7952, 0.2988, 0.4705



21.3682, 0.3314, 0.2201

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.



38.7952, 0.3954, 0.2696



38.7952, 0.2988, 0.4705



38.7952, 0.2337, 0.2051

Square

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



38.7952, 0.2988, 0.4705



38.7952, 0.1694, 0.2392



38.7952, 0.3082, 0.2273



38.7952, 0.4791, 0.3856

Rectangle

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



38.7952, 0.2988, 0.4705



38.7952, 0.1935, 0.3342



38.7952, 0.3082, 0.2273



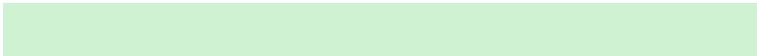
38.7952, 0.4444, 0.3055

Sweetspot

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



38.7968, 0.2988, 0.4705



81.4205, 0.3084, 0.3644



45.7186, 0.3771, 0.4543



17.7252, 0.3077, 0.3699



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.



38.7968, 0.2988, 0.4705



67.2168, 0.2969, 0.5066



39.9882, 0.2699, 0.3908



10.6670, 0.3101, 0.3499



24.5322, 0.2973, 0.5904



0.9669, 0.2888, 0.5598

Inverse Universe

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



21.3682, 0.3314, 0.2201



32.4610, 0.3364, 0.2008



19.8440, 0.3957, 0.2769



9.6768, 0.3155, 0.3089



9.1695, 0.3519, 0.1712



0.3646, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 38.7952, 0.2988, 0.4705 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 38.7952, 0.2988, 0.4705 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 38.7952, 0.2988, 0.4705

Background



This preview shows how black text looks on a background with the Yxy color 38.7952, 0.2988, 0.4705.



This preview shows how white text looks on a background with the Yxy color 38.7952, 0.2988, 0.4705.

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

38.7952, 0.2988, 0.4705

Protanopia

38.0437, 0.3916, 0.4257

Deuteranopia

38.2014, 0.4011, 0.3926



Tritanopia

38.6506, 0.2534, 0.3079

Trichromacy



Original Color

38.7952, 0.2988, 0.4705



Protanomaly

37.5435, 0.3518, 0.4442



Deuteranomaly

37.0145, 0.3586, 0.4209



Tritanomaly

38.5542, 0.2701, 0.3641

Monochromacy



Original Color

38.7952, 0.2988, 0.4705



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.4495, 0.3066, 0.3803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.7952, 0.2988, 0.4705 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(92, 187, 103)` looks like.

```
.text, #text, p{  
    color:rgb(92, 187, 103)  
}
```

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(92, 187, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 187, 103) }
```

Border

The CSS property to change the border of an element to Yxy 38.7952, 0.2988, 0.4705 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(92, 187, 103) }
```

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

```
.border{ border-color:rgb(92, 187, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 187, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 187, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 187, 103);  
box-shadow:4px 4px 4px 4px rgb(92, 187,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 38.7952, 0.2988, 0.4705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 187, 103) }
```

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

```
.background{ background-color: rgb(92, 187,  
103) }
```

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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