

Converting Colors

$Y_{xy}(35.8247, 0.3045, 0.5037)$

Have a look what the booklet for
Yxy(35.8247, 0.3045, 0.5037)
contains.

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Color

Yxy(35.7993, 0.3045, 0.5045)

Conversions

Conversions Part 1

Format	Color
Hex	51B651
RGB	81, 182, 81
RGB Percent	32%, 71%, 32%
CMY	0.6823, 0.2863, 0.6824
CMYK	0.55, 0.00, 0.56, 0.29
HSL	120°, 41%, 52%
HSV	120°, 56%, 71%
XYZ	21.6073, 35.7993, 13.5534
YIQ	140.2870, -27.7750, -52.8230

Conversions

Conversions Part 2

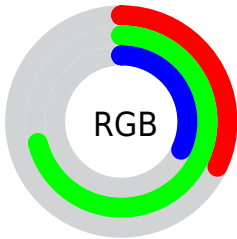
Format	Color
RYB	81, 182, 182
Decimal	5355089
CIELab	66.37, -49.87, 42.15
CIELCh	66, 65.297, 139.795
Yxy	35.7993, 0.3045, 0.5045
Android (android.graphics.Color)	4283545169 (0xFF51B651)
YUV	140.2870, -29.2285, -51.9947
Hunter-Lab	59.8325, -40.2452, 28.4523

Details

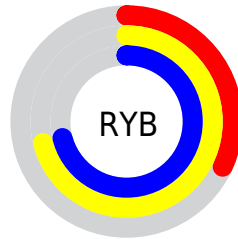
The Yxy color **35.7993, 0.3045, 0.5045** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **19.2028, 0.3188, 0.1996**, and the grayscale version is **26.4692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.8297, 0.3091, 0.4667**, and **15.5514, 0.2922, 0.5686** is the 20% darker color. If you saturate the color by 10%, you get **34.8642, 0.3030, 0.5373**, and if you desaturate by 10%, it is **37.0259, 0.3062, 0.4692**.

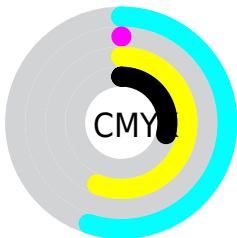
Distribution



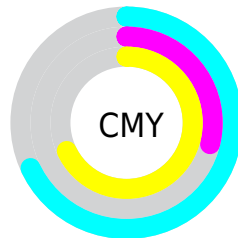
- Red (32%)
- Green (71%)
- Blue (32%)



- Red (32%)
- Yellow (71%)
- Blue (71%)



- Cyan (55%)
- Magenta (0%)
- Yellow (56%)
- Black (29%)



- Cyan (68%)
- Magenta (29%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7993, 0.3045, 0.5045 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 35.7993, 0.3045, 0.5045 by changing the saturation by 10% instead.

 35.7993, 0.3045,
0.5045


 35.7993, 0.3045,
0.5045


328.0825, 0.3137,
0.4065

 24.2792, 0.2998,
0.5320


 68.7222, 0.3094,
0.4665


 15.5409, 0.2921,
0.5687

 90.8938, 0.3108,
0.4530


 9.1999, 0.2784,
0.6194


 117.3847, 0.3117,
0.4418

 4.8718, 0.2585,
0.7079

 148.5793, 0.3124,
0.4324

 2.1722, 0.1885,
0.8115

 184.8619, 0.3129,
0.4245

 0.7048, 0.0000,
1.0000

226.6171, 0.3132,

 0.0000, 0.0000,

0.4177

0.0000

274.2292, 0.3135,
0.4117

■ 35.7993, 0.3045,
0.5045

■ 35.7993, 0.3045,
0.5045

■ 34.8642, 0.3030,
0.5373

■ 37.0259, 0.3062,
0.4692

■ 34.1925, 0.3017,
0.5649

■ 38.5606, 0.3078,
0.4339

■ 33.7584, 0.3007,
0.5849

■ 40.4238, 0.3094,
0.4004

■ 33.5278, 0.3002,
0.5964

■ 42.6332, 0.3108,
0.3698

■ 33.4570, 0.3000,
0.6000

■ 45.2050, 0.3121,
0.3425

■ 48.1544, 0.3132,
0.3187

■ 51.4958, 0.3142,
0.2980

■ 55.2429, 0.3150,
0.2803

■ 59.4086, 0.3157,
0.2651

Harmonies

Analogous

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



35.7993, 0.3953, 0.5044



35.7993, 0.3045, 0.5045



35.7993, 0.2207, 0.4227

Triad

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



35.7993, 0.3045, 0.5045



35.7993, 0.1656, 0.1924



35.7993, 0.4810, 0.3135

Complementary

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



35.7993, 0.3045, 0.5045



19.2028, 0.3188, 0.1996

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.



35.7993, 0.3971, 0.2536



35.7993, 0.3045, 0.5045



35.7993, 0.2133, 0.1872

Square

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



35.7993, 0.3045, 0.5045



35.7993, 0.1500, 0.2306



35.7993, 0.2947, 0.2090



35.7993, 0.5063, 0.3805

Rectangle

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



35.7993, 0.3045, 0.5045



35.7993, 0.1807, 0.3464



35.7993, 0.2947, 0.2090



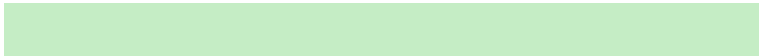
35.7993, 0.4581, 0.2925

Sweetspot

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



35.8008, 0.3045, 0.5045



76.5284, 0.3106, 0.3750



43.3105, 0.3926, 0.4576



16.7199, 0.3103, 0.3810



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.



35.8008, 0.3045, 0.5045



62.8416, 0.3026, 0.5452



36.8123, 0.2748, 0.4191



10.0602, 0.3116, 0.3526



23.6265, 0.3000, 0.6000



0.8329, 0.3000, 0.6000

Inverse Universe

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



19.2028, 0.3188, 0.1996



29.6316, 0.3197, 0.1787



17.5272, 0.3880, 0.2568



9.1626, 0.3138, 0.3065



9.4038, 0.3209, 0.1541



0.3316, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 35.7993, 0.3045, 0.5045 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 35.7993, 0.3045, 0.5045 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 35.7993, 0.3045, 0.5045

Background



This preview shows how black text looks on a background with the Yxy color 35.7993, 0.3045, 0.5045.



This preview shows how white text looks on a background with the Yxy color 35.7993, 0.3045, 0.5045.

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

35.7993, 0.3045, 0.5045

Protanopia

35.1010, 0.4081, 0.4453

Deuteranopia

35.2395, 0.4203, 0.4119



Tritanopia

35.6319, 0.2512, 0.3071

Trichromacy



Original Color

35.7993, 0.3045, 0.5045



Protanomaly

34.3807, 0.3638, 0.4690



Deuteranomaly

34.0928, 0.3708, 0.4470



Tritanomaly

35.2533, 0.2712, 0.3761

Monochromacy



Original Color

35.7993, 0.3045, 0.5045



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.6965, 0.3097, 0.3923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7993, 0.3045, 0.5045 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(81, 182, 81)` looks like.

```
.text, #text, p{  
    color:rgb(81, 182, 81)  
}
```

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(81, 182, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 182, 81) }
```

Border

The CSS property to change the border of an element to Yxy 35.7993, 0.3045, 0.5045 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(81, 182, 81) }
```

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

```
.border{ border-color:rgb(81, 182, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 182, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 182, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 182, 81);  
box-shadow:4px 4px 4px 4px rgb(81, 182,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7993, 0.3045, 0.5045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 182, 81) }
```

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

```
.background{ background-color: rgb(81, 182,  
81) }
```

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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