

Converting Colors

$Yxy(37.6715, 0.3034, 0.4866)$

Have a look what the booklet for
Yxy(37.6715, 0.3034, 0.4866)
contains.

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Color

Yxy(37.5945, 0.3033, 0.4873)

Conversions

Conversions Part 1

Format	Color
Hex	59B95C
RGB	89, 185, 92
RGB Percent	35%, 73%, 36%
CMY	0.6511, 0.2745, 0.6391
CMYK	0.52, 0.00, 0.50, 0.27
HSL	122°, 41%, 54%
HSV	122°, 52%, 73%
XYZ	23.3992, 37.5945, 16.1549
YIQ	145.6940, -27.3630, -49.2750

Conversions

Conversions Part 2

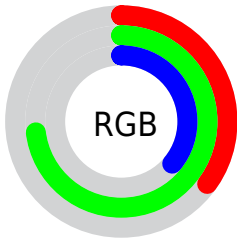
Format	Color
RYB	89, 182, 185
Decimal	5880156
CIELab	67.72, -47.50, 38.47
CIELCh	68, 61.118, 140.996
Yxy	37.5945, 0.3033, 0.4873
Android (android.graphics.Color)	4284070236 (0xFF59B95C)
YUV	145.6940, -26.4711, -49.7206
Hunter-Lab	61.3144, -39.1798, 27.2985

Details

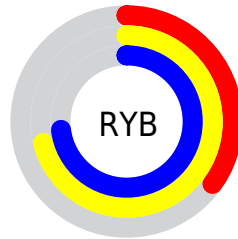
The Yxy color **37.5945, 0.3033, 0.4873** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **20.8294, 0.3221, 0.2095**, and the grayscale version is **28.7300, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6289, 0.3080, 0.4536**, and **16.5940, 0.2928, 0.5453** is the 20% darker color. If you saturate the color by 10%, you get **36.5162, 0.3017, 0.5209**, and if you desaturate by 10%, it is **38.9800, 0.3051, 0.4525**.

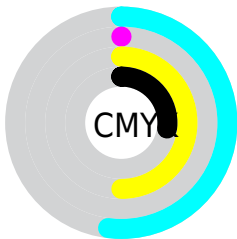
Distribution



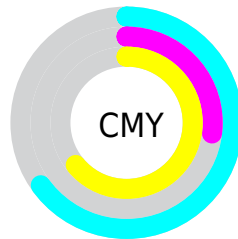
- Red (35%)
- Green (73%)
- Blue (36%)



- Red (35%)
- Yellow (71%)
- Blue (73%)



- Cyan (52%)
- Magenta (0%)
- Yellow (50%)
- Black (27%)




- Cyan (65%)
- Magenta (27%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5945, 0.3033, 0.4873 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 37.5945, 0.3033, 0.4873 by changing the saturation by 10% instead.


 37.5945, 0.3033,
0.4873


 37.5945, 0.3033,
0.4873


335.8773, 0.3121,
0.3997

 25.6681, 0.2993,
0.5118


 71.4862, 0.3077,
0.4535


 16.5755, 0.2928,
0.5445

 94.2203, 0.3090,
0.4414

 9.9323, 0.2816,
0.5900


 121.3257, 0.3099,
0.4314

 5.3541, 0.2617,
0.6581

 153.1870, 0.3106,
0.4230

 2.4565, 0.2230,
0.7770

190.1883, 0.3112,
0.4159

 0.8547, 0.0000,
1.0000

232.7142, 0.3116,

 0.0000, 0.0000,

0.4097

0.0000

281.1491, 0.3119,
0.4044

■ 37.5945, 0.3033,
0.4873

■ 37.5945, 0.3033,
0.4873

■ 36.5162, 0.3017,
0.5209

■ 38.9800, 0.3051,
0.4525

■ 35.7173, 0.3005,
0.5509

■ 40.6884, 0.3070,
0.4187

■ 35.1736, 0.2998,
0.5747

■ 42.7402, 0.3089,
0.3872

■ 34.8538, 0.2996,
0.5907

■ 45.1525, 0.3107,
0.3587

■ 34.7135, 0.2994,
0.5980

■ 47.9415, 0.3124,
0.3334

■ 51.1225, 0.3139,
0.3115

■ 54.7097, 0.3153,
0.2925

■ 58.7167, 0.3165,
0.2761

■ 63.0668, 0.3172,
0.2620

Harmonies

Analogous

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



37.5945, 0.3883, 0.4930



37.5945, 0.3033, 0.4873



37.5945, 0.2254, 0.4106

Triad

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



37.5945, 0.3033, 0.4873



37.5945, 0.1760, 0.2007



37.5945, 0.4700, 0.3184

Complementary

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



37.5945, 0.3033, 0.4873



20.8294, 0.3221, 0.2095

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.



37.5945, 0.3945, 0.2610



37.5945, 0.3033, 0.4873



37.5945, 0.2227, 0.1964

Square

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



37.5945, 0.3033, 0.4873



37.5945, 0.1601, 0.2362



37.5945, 0.3001, 0.2179



37.5945, 0.4922, 0.3821

Rectangle

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



37.5945, 0.3033, 0.4873



37.5945, 0.1883, 0.3418



37.5945, 0.3001, 0.2179



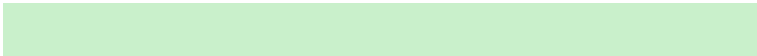
37.5945, 0.4496, 0.2982

Sweetspot

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



37.5961, 0.3033, 0.4873



78.9009, 0.3100, 0.3707



45.5384, 0.3858, 0.4531



16.8208, 0.3096, 0.3765



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.



37.5961, 0.3033, 0.4873



65.2135, 0.3016, 0.5244



38.6749, 0.2743, 0.4065



10.0646, 0.3112, 0.3518



23.6371, 0.2993, 0.5975



0.8348, 0.2966, 0.5876

Inverse Universe

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



20.8294, 0.3221, 0.2095



31.9655, 0.3241, 0.1898



19.2145, 0.3860, 0.2651



9.1577, 0.3142, 0.3072



9.2441, 0.3289, 0.1586



0.3274, 0.3267, 0.1573

Previews

White Background



This preview shows how the Yxy color 37.5945, 0.3033, 0.4873 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 37.5945, 0.3033, 0.4873 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 37.5945, 0.3033, 0.4873

Background



This preview shows how black text looks on a background with the Yxy color 37.5945, 0.3033, 0.4873.



This preview shows how white text looks on a background with the Yxy color 37.5945, 0.3033, 0.4873.

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

37.5945, 0.3033, 0.4873

Protanopia

37.0306, 0.3999, 0.4359

Deuteranopia

36.8199, 0.4122, 0.4027



Tritanopia

37.2179, 0.2532, 0.3076

Trichromacy



Original Color

37.5945, 0.3033, 0.4873



Protanomaly

36.5055, 0.3591, 0.4563



Deuteranomaly

35.8529, 0.3665, 0.4347



Tritanomaly

36.9655, 0.2716, 0.3698

Monochromacy



Original Color

37.5945, 0.3033, 0.4873



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.0079, 0.3091, 0.3865

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5945, 0.3033, 0.4873 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, 185, 92)` looks like.

```
.text, #text, p{  
  color:rgb(89, 185, 92)  
}
```

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, 185, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 185, 92) }
```

Border

The CSS property to change the border of an element to Yxy 37.5945, 0.3033, 0.4873 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, 185, 92) }
```

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

```
.border{ border-color:rgb(89, 185, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 185, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 185, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 185, 92);  
box-shadow:4px 4px 4px 4px rgb(89, 185,  
92) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 37.5945, 0.3033, 0.4873$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 185, 92) }
```

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

```
.background{ background-color: rgb(89, 185,  
92) }
```

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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