

Converting Colors

$Yxy(37.5087, 0.3097, 0.5107)$

Have a look what the booklet for
Yxy(37.5087, 0.3097, 0.5107)
contains.

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Color

Yxy(37.6941, 0.3097, 0.5105)

Conversions

Conversions Part 1

Format	Color
Hex	57BA4E
RGB	87, 186, 78
RGB Percent	34%, 73%, 31%
CMY	0.6586, 0.2706, 0.6942
CMYK	0.53, 0.00, 0.58, 0.27
HSL	115°, 44%, 52%
HSV	115°, 58%, 73%
XYZ	22.8675, 37.6941, 13.2760
YIQ	144.0870, -24.3360, -54.5760

Conversions

Conversions Part 2

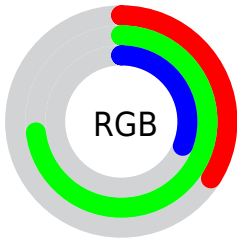
Format	Color
RYB	78, 186, 177
Decimal	5749326
CIELab	67.79, -50.21, 45.30
CIELCh	68, 67.621, 137.941
Yxy	37.6941, 0.3097, 0.5105
Android (android.graphics.Color)	4283939406 (0xFF57BA4E)
YUV	144.0870, -32.5809, -50.0653
Hunter-Lab	61.3955, -40.9577, 30.1562

Details

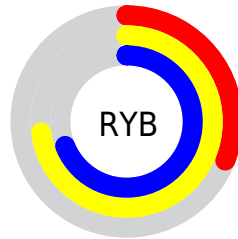
The Yxy color **37.6941, 0.3097, 0.5105** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **18.3330, 0.3079, 0.1900**, and the grayscale version is **28.0730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.6422, 0.3137, 0.4724**, and **16.6919, 0.2982, 0.5749** is the 20% darker color. If you saturate the color by 10%, you get **36.7394, 0.3080, 0.5418**, and if you desaturate by 10%, it is **38.9210, 0.3110, 0.4763**.

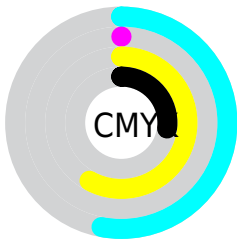
Distribution



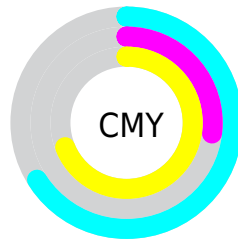
- Red (34%)
- Green (73%)
- Blue (31%)



- Red (31%)
- Yellow (73%)
- Blue (69%)



- Cyan (53%)
- Magenta (0%)
- Yellow (58%)
- Black (27%)




- Cyan (66%)
- Magenta (27%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6941, 0.3097, 0.5105 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 37.6941, 0.3097, 0.5105 by changing the saturation by 10% instead.


 37.6941, 0.3097,
0.5105


 37.6941, 0.3097,
0.5105


336.3059, 0.3166,
0.4102

 25.7454, 0.3055,
0.5381


 71.6390, 0.3139,
0.4720


 16.6332, 0.2982,
0.5745


 94.4040, 0.3149,
0.4581

 9.9733, 0.2852,
0.6239


 121.5432, 0.3156,
0.4466

 5.3813, 0.2666,
0.7092

 153.4410, 0.3160,
0.4370

 2.4727, 0.2073,
0.7927

 190.4817, 0.3163,
0.4288

 0.8629, 0.0000,
1.0000

233.0499, 0.3165,

 0.0000, 0.0000,

0.4217

0.0000

281.5298, 0.3166,
0.4156

■ 37.6941, 0.3097,
0.5105

■ 37.6941, 0.3097,
0.5105

■ 36.7394, 0.3080,
0.5418

■ 38.9210, 0.3110,
0.4763

■ 36.0318, 0.3060,
0.5678

■ 40.4337, 0.3119,
0.4415

■ 35.5496, 0.3039,
0.5862

■ 42.2503, 0.3125,
0.4081

■ 35.2624, 0.3021,
0.5969

■ 44.3863, 0.3128,
0.3771

■ 35.2238, 0.3019,
0.5985

■ 46.8560, 0.3128,
0.3492

■ 49.6729, 0.3127,
0.3245

■ 52.8497, 0.3124,
0.3029

■ 56.3985, 0.3121,
0.2841

■ 60.3307, 0.3117,
0.2680

Harmonies

Analogous

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



37.6941, 0.4014, 0.5048



37.6941, 0.3097, 0.5105



37.6941, 0.2236, 0.4314

Triad

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



37.6941, 0.3097, 0.5105



37.6941, 0.1617, 0.1917



37.6941, 0.4802, 0.3090

Complementary

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



37.6941, 0.3097, 0.5105



18.3330, 0.3079, 0.1900

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.



37.6941, 0.3921, 0.2491



37.6941, 0.3097, 0.5105



37.6941, 0.2078, 0.1848

Square

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



37.6941, 0.3097, 0.5105



37.6941, 0.1479, 0.2326



37.6941, 0.2883, 0.2052



37.6941, 0.5098, 0.3763

Rectangle

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



37.6941, 0.3097, 0.5105



37.6941, 0.1817, 0.3536



37.6941, 0.2883, 0.2052



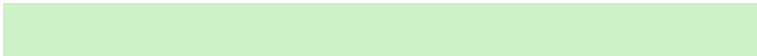
37.6941, 0.4557, 0.2878

Sweetspot

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



37.6957, 0.3097, 0.5105



80.7845, 0.3128, 0.3748



41.7259, 0.4020, 0.4534



17.6056, 0.3128, 0.3808



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.



37.6957, 0.3097, 0.5105



66.1511, 0.3074, 0.5505



38.1218, 0.2793, 0.4406



10.0951, 0.3128, 0.3525



23.7121, 0.3022, 0.5982



0.8481, 0.3109, 0.5913

Inverse Universe

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



18.3330, 0.3079, 0.1900



27.6473, 0.3057, 0.1676



17.8635, 0.3790, 0.2425



9.1234, 0.3125, 0.3064



8.1808, 0.3002, 0.1427



0.2997, 0.3059, 0.1459

Previews

White Background



This preview shows how the Yxy color 37.6941, 0.3097, 0.5105 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 37.6941, 0.3097, 0.5105 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 37.6941, 0.3097, 0.5105

Background



This preview shows how black text looks on a background with the Yxy color 37.6941, 0.3097, 0.5105.



This preview shows how white text looks on a background with the Yxy color 37.6941, 0.3097, 0.5105.

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

37.6941, 0.3097, 0.5105

Protanopia

36.9509, 0.4112, 0.4508

Deuteranopia

36.8663, 0.4257, 0.4168



Tritanopia

37.7136, 0.2535, 0.3077

Trichromacy



Original Color

37.6941, 0.3097, 0.5105



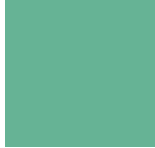
Protanomaly

36.2025, 0.3677, 0.4750



Deuteranomaly

35.7355, 0.3776, 0.4517



Tritanomaly

37.2349, 0.2745, 0.3782

Monochromacy



Original Color

37.6941, 0.3097, 0.5105



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.3633, 0.3124, 0.3959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6941, 0.3097, 0.5105 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(87, 186, 78)` looks like.

```
.text, #text, p{  
    color:rgb(87, 186, 78)  
}
```

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(87, 186, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 186, 78) }
```

Border

The CSS property to change the border of an element to Yxy 37.6941, 0.3097, 0.5105 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(87, 186, 78) }
```

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

```
.border{ border-color:rgb(87, 186, 78) }
```

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

Here you see how a box with a 4 pixel rgb(87, 186, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 186, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 186, 78);  
box-shadow:4px 4px 4px 4px rgb(87, 186,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6941, 0.3097, 0.5105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 186, 78) }
```

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

```
.background{ background-color: rgb(87, 186,  
78) }
```

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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