

Converting Colors

$Yxy(37.0212, 0.3173, 0.5673)$

Have a look what the booklet for
Yxy(37.0212, 0.3173, 0.5673)
contains.

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Color

Yxy(37.0339, 0.3173, 0.5668)

Conversions

Conversions Part 1

Format	Color
Hex	48BB22
RGB	72, 187, 34
RGB Percent	28%, 73%, 13%
CMY	0.7177, 0.2667, 0.8664
CMYK	0.62, 0.00, 0.82, 0.27
HSL	105°, 69%, 43%
HSV	105°, 82%, 73%
XYZ	20.7319, 37.0339, 7.5727
YIQ	135.1730, -19.4270, -71.9630

Conversions

Conversions Part 2

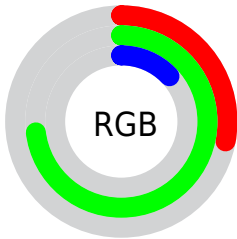
Format	Color
RYB	34, 187, 149
Decimal	4766498
CIELab	67.30, -58.08, 61.38
CIElCh	67, 84.502, 133.421
Yxy	37.0339, 0.3173, 0.5668
Android (android.graphics.Color)	4282956578 (0xFF48BB22)
YUV	135.1730, -49.8783, -55.4027
Hunter-Lab	60.8555, -45.6867, 35.2209

Details

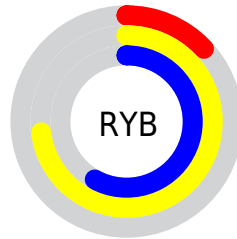
The Yxy color **37.0339, 0.3173, 0.5668** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **11.1310, 0.2707, 0.1373**, and the grayscale version is **24.4932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5600, 0.3238, 0.5174**, and **16.5025, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **36.4752, 0.3134, 0.5831**, and if you desaturate by 10%, it is **37.7781, 0.3202, 0.5437**.

Distribution



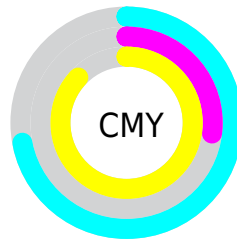
- Red (28%)
- Green (73%)
- Blue (13%)



- Red (13%)
- Yellow (73%)
- Blue (58%)



- Cyan (62%)
- Magenta (0%)
- Yellow (82%)
- Black (27%)





- Cyan (72%)
- Magenta (27%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0339, 0.3173, 0.5668 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 37.0339, 0.3173, 0.5668 by changing the saturation by 10% instead.


 37.0339, 0.3173,
0.5668


 37.0339, 0.3173,
0.5668


 333.4573, 0.3253,
0.4363


 25.2337, 0.3104,
0.6006


 70.6249, 0.3236,
0.5177

 16.2513, 0.2981,
0.6432


 93.1846, 0.3248,
0.4997

 9.7021, 0.2797,
0.7054


 120.0995, 0.3255,
0.4846

 5.2019, 0.2370,
0.7630

 151.7541, 0.3258,
0.4719

 2.3662, 0.1454,
0.8546

 188.5328, 0.3258,
0.4610

 0.8084, 0.0000,
1.0000

 230.8200, 0.3257,

 0.0000, 0.0000,

0.4517

0.0000

279.0000, 0.3256,
0.4435

■ 37.0339, 0.3173,
0.5668

■ 37.0339, 0.3173,
0.5668

■ 36.4752, 0.3134,
0.5831

■ 37.7781, 0.3202,
0.5437

■ 36.1319, 0.3100,
0.5921

■ 38.7191, 0.3219,
0.5152

■ 39.8725, 0.3224,
0.4835

■ 41.2512, 0.3218,
0.4506

■ 42.8668, 0.3204,
0.4181

■ 44.7300, 0.3183,
0.3873

■ 46.8510, 0.3159,
0.3589

■ 49.2394, 0.3132,
0.3333

■ 51.9043, 0.3105,
0.3104

Harmonies

Analogous

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



37.0339, 0.4253, 0.5296



37.0339, 0.3173, 0.5668



37.0339, 0.2134, 0.4834

Triad

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



37.0339, 0.3173, 0.5668



37.0339, 0.1300, 0.1685



37.0339, 0.5091, 0.2886

Complementary

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



37.0339, 0.3173, 0.5668



11.1310, 0.2707, 0.1373

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.



37.0339, 0.3902, 0.2230



37.0339, 0.3173, 0.5668



37.0339, 0.1757, 0.1576

Square

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



37.0339, 0.3173, 0.5668



37.0339, 0.1188, 0.2194



37.0339, 0.2635, 0.1768



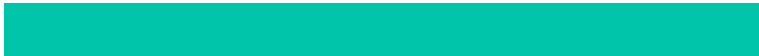
37.0339, 0.5537, 0.3628

Rectangle

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



37.0339, 0.3173, 0.5668



37.0339, 0.1616, 0.3798



37.0339, 0.2635, 0.1768



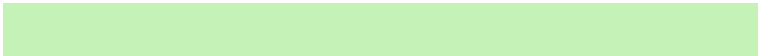
37.0339, 0.4750, 0.2654

Sweetspot

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



37.0355, 0.3173, 0.5668



78.8489, 0.3191, 0.3982



32.1023, 0.4522, 0.4609



17.1058, 0.3198, 0.4091



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.



37.0355, 0.3173, 0.5668



64.7449, 0.3099, 0.5911



36.3549, 0.2879, 0.5336



10.7609, 0.3152, 0.3524



24.9234, 0.3107, 0.5915



1.0082, 0.3289, 0.5771

Inverse Universe

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



11.1310, 0.2707, 0.1373



16.6427, 0.2591, 0.1207



13.8751, 0.3784, 0.1983



9.5739, 0.3099, 0.3061



6.3857, 0.2596, 0.1204



0.2791, 0.2750, 0.1289

Previews

White Background



This preview shows how the Yxy color 37.0339, 0.3173, 0.5668 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 37.0339, 0.3173, 0.5668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

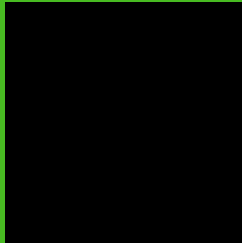
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.0339, 0.3173, 0.5668

Background



This preview shows how black text looks on a background with the Yxy color 37.0339, 0.3173, 0.5668.



This preview shows how white text looks on a background with the Yxy color 37.0339, 0.3173, 0.5668.

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

37.0339, 0.3173, 0.5668

Protanopia

36.3455, 0.4345, 0.4810

Deuteranopia

36.1876, 0.4552, 0.4445



Tritanopia

36.7865, 0.2490, 0.3073

Trichromacy



Original Color

37.0339, 0.3173, 0.5668



Protanomaly

35.4384, 0.3845, 0.5178



Deuteranomaly

34.5298, 0.3973, 0.4931



Tritanomaly

36.1815, 0.2794, 0.4093

Monochromacy



Original Color

37.0339, 0.3173, 0.5668



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.4378, 0.3211, 0.4310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0339, 0.3173, 0.5668 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(72, 187, 34)` looks like.

```
.text, #text, p{  
    color:rgb(72, 187, 34)  
}
```

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(72, 187, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 187, 34) }
```

Border

The CSS property to change the border of an element to Yxy 37.0339, 0.3173, 0.5668 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(72, 187, 34) }
```

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

```
.border{ border-color:rgb(72, 187, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 187, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 187, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 187, 34);  
box-shadow:4px 4px 4px 4px rgb(72, 187,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0339, 0.3173, 0.5668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 187, 34) }
```

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

```
.background{ background-color: rgb(72, 187,  
34) }
```

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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