

Converting Colors

$Yxy(37.0028, 0.3408, 0.5463)$

Have a look what the booklet for
Yxy(37.0028, 0.3408, 0.5463)
contains.

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Color

Yxy(37.0038, 0.3407, 0.5460)

Conversions

Conversions Part 1

Format	Color
Hex	69B725
RGB	105, 183, 37
RGB Percent	41%, 72%, 15%
CMY	0.5884, 0.2823, 0.8547
CMYK	0.43, 0.00, 0.80, 0.28
HSL	92°, 66%, 43%
HSV	92°, 80%, 72%
XYZ	23.0901, 37.0038, 7.6786
YIQ	143.0340, 0.3780, -61.9420

Conversions

Conversions Part 2

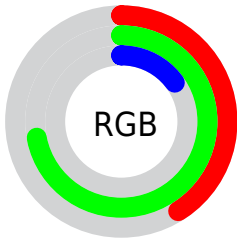
Format	Color
RYB	37, 183, 115
Decimal	6928165
CIELab	67.28, -46.98, 60.96
CIELCh	67, 76.960, 127.623
Yxy	37.0038, 0.3407, 0.5460
Android (android.graphics.Color)	4285118245 (0xFF69B725)
YUV	143.0340, -52.2748, -33.3558
Hunter-Lab	60.8307, -38.6989, 35.0974

Details

The Yxy color **37.0038, 0.3407, 0.5460** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **8.3960, 0.2319, 0.1195**, and the grayscale version is **27.6941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.8278, 0.3415, 0.5026**, and **16.2584, 0.3206, 0.5836** is the 20% darker color. If you saturate the color by 10%, you get **36.3591, 0.3372, 0.5626**, and if you desaturate by 10%, it is **37.7775, 0.3422, 0.5240**.

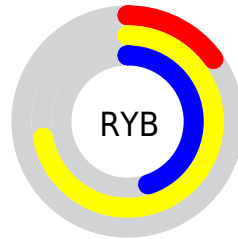
Distribution



Red (41%)

Green (72%)

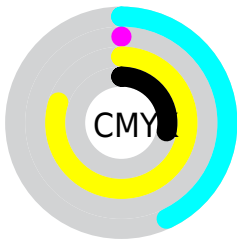
Blue (15%)



Red (15%)

Yellow (72%)

Blue (45%)

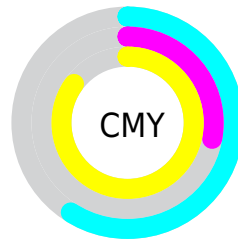


Cyan (43%)

Magenta (0%)

Yellow (80%)

Black (28%)



Cyan (59%)


Magenta (28%)

Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0038, 0.3407, 0.5460 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 37.0038, 0.3407, 0.5460 by changing the saturation by 10% instead.


 37.0038, 0.3407,
0.5460


 37.0038, 0.3407,
0.5460

333.3270, 0.3355,
0.4290


 25.2104, 0.3375,
0.5756


 70.5786, 0.3418,
0.5025

 16.2339, 0.3302,
0.6125


 93.1289, 0.3413,
0.4864

 9.6898, 0.3184,
0.6656


 120.0336, 0.3404,
0.4728


 5.1938, 0.2847,
0.7153

 151.6770, 0.3395,
0.4613

 2.3614, 0.2214,
0.7786

 188.4437, 0.3384,
0.4515

 0.8059, 0.0000,
1.0000

 230.7180, 0.3374,

 0.0000, 0.0000,

0.4429

0.0000

278.8843, 0.3364,
0.4355

■ 37.0038, 0.3407,
0.5460

■ 37.0038, 0.3407,
0.5460

■ 36.3591, 0.3372,
0.5626

■ 37.7775, 0.3422,
0.5240

■ 35.8212, 0.3322,
0.5743

■ 38.6851, 0.3416,
0.4978

■ 35.8092, 0.3321,
0.5745

■ 39.7369, 0.3392,
0.4689

■ 40.9404, 0.3353,
0.4388

■ 42.3027, 0.3303,
0.4089

■ 43.8303, 0.3247,
0.3802

■ 45.5294, 0.3187,
0.3532

■ 47.4056, 0.3126,
0.3284

■ 49.4645, 0.3066,
0.3059

Harmonies

Analogous

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



37.0038, 0.4394, 0.5041



37.0038, 0.3407, 0.5460



37.0038, 0.2402, 0.4905

Triad

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



37.0038, 0.3407, 0.5460



37.0038, 0.1369, 0.1859



37.0038, 0.4750, 0.2803

Complementary

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



37.0038, 0.3407, 0.5460



8.3960, 0.2319, 0.1195

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.



37.0038, 0.3605, 0.2205



37.0038, 0.3407, 0.5460



37.0038, 0.1740, 0.1683

Square

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



37.0038, 0.3407, 0.5460



37.0038, 0.1330, 0.2445



37.0038, 0.2489, 0.1811



37.0038, 0.5333, 0.3505

Rectangle

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



37.0038, 0.3407, 0.5460



37.0038, 0.1860, 0.4034



37.0038, 0.2489, 0.1811



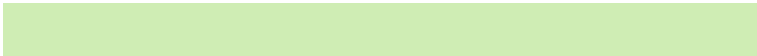
37.0038, 0.4403, 0.2588

Sweetspot

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



37.0054, 0.3407, 0.5460



77.1848, 0.3274, 0.3933



22.4388, 0.4890, 0.4223



16.8363, 0.3293, 0.4036



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.



37.0054, 0.3407, 0.5460



64.3493, 0.3332, 0.5716



34.4313, 0.2998, 0.5699



10.2594, 0.3184, 0.3521



25.0184, 0.3329, 0.5739



0.9188, 0.3537, 0.5573

Inverse Universe

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



8.3960, 0.2319, 0.1195



11.1719, 0.2119, 0.0954



14.6142, 0.3270, 0.1692



8.9495, 0.3066, 0.3060



4.2320, 0.2105, 0.0933



0.1856, 0.2383, 0.1086

Previews

White Background



This preview shows how the Yxy color 37.0038, 0.3407, 0.5460 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 37.0038, 0.3407, 0.5460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

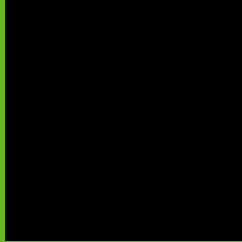
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.0038, 0.3407, 0.5460

Background



This preview shows how black text looks on a background with the Yxy color 37.0038, 0.3407, 0.5460.



This preview shows how white text looks on a background with the Yxy color 37.0038, 0.3407, 0.5460.

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

37.0038, 0.3407, 0.5460

Protanopia

36.3659, 0.4333, 0.4791

Deuteranopia

36.5191, 0.4541, 0.4456



Tritanopia

36.6458, 0.2657, 0.3079

Trichromacy



Original Color

37.0038, 0.3407, 0.5460

Protanomaly

35.8335, 0.3971, 0.5050

Deuteranomaly

35.4324, 0.4102, 0.4829

Tritanomaly

36.1502, 0.2986, 0.4013

Monochromacy



Original Color

37.0038, 0.3407, 0.5460

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

30.1203, 0.3323, 0.4209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0038, 0.3407, 0.5460 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(105, 183, 37)` looks like.

```
.text, #text, p{  
    color:rgb(105, 183, 37)  
}
```

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(105, 183, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 183, 37) }
```

Border

The CSS property to change the border of an element to Yxy 37.0038, 0.3407, 0.5460 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(105, 183, 37) }
```

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

```
.border{ border-color:rgb(105, 183, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 183, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 183, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 183, 37);  
box-shadow:4px 4px 4px 4px rgb(105, 183,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0038, 0.3407, 0.5460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 183, 37) }
```

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

```
.background{ background-color: rgb(105,  
183, 37) }
```

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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