

Converting Colors

$Y_{xy}(37.5140, 0.3366, 0.5709)$

Have a look what the booklet for
Yxy(37.5140, 0.3366, 0.5709)
contains.

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Color

Yxy(37.4450, 0.3366, 0.5710)

Conversions

Conversions Part 1

Format	Color
Hex	5DBA00
RGB	93, 186, 0
RGB Percent	36%, 73%, 0%
CMY	0.6352, 0.2706, 1.0000
CMYK	0.50, 0.00, 1.00, 0.27
HSL	90°, 100%, 36%
HSV	90°, 100%, 73%
XYZ	22.0735, 37.4450, 6.0594
YIQ	136.9890, 4.2780, -77.5620

Conversions

Conversions Part 2

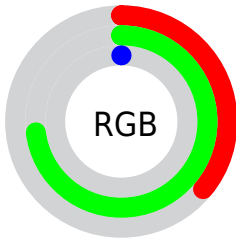
Format	Color
RYB	0, 186, 93
Decimal	6142464
CIELab	67.61, -53.05, 67.80
CIELCh	68, 86.085, 128.042
Yxy	37.4450, 0.3366, 0.5710
Android (android.graphics.Color)	4284332544 (0xFF5DBA00)
YUV	136.9890, -67.5356, -38.5784
Hunter-Lab	61.1923, -42.6973, 36.9636

Details

The Yxy color **37.4450, 0.3366, 0.5710** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **5.8718, 0.2023, 0.0888**, and the grayscale version is **25.2735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3266, 0.3404, 0.5236**, and **16.6731, 0.3063, 0.5950** is the 20% darker color. If you saturate the color by 10%, you get **37.4469, 0.3366, 0.5710**, and if you desaturate by 10%, it is **38.0078, 0.3415, 0.5597**.

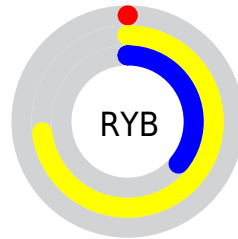
Distribution



Red (36%)

Green (73%)

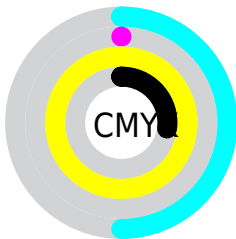
Blue (0%)



Red (0%)

Yellow (73%)

Blue (36%)

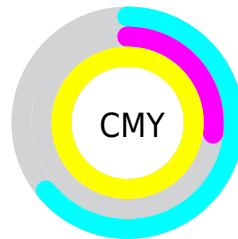


Cyan (50%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (64%)

Magenta (27%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4450, 0.3366, 0.5710 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 37.4450, 0.3366, 0.5710 by changing the saturation by 10% instead.


 37.4450, 0.3366,
0.5710

 37.4450, 0.3366,
0.5710


 335.2331, 0.3364,
0.4413


 25.5522, 0.3309,
0.6028


 71.2567, 0.3404,
0.5234


 16.4890, 0.3198,
0.6413


 93.9443, 0.3406,
0.5055

 9.8708, 0.3030,
0.6970


 120.9991, 0.3403,
0.4904

 5.3134, 0.2601,
0.7399

 152.8054, 0.3397,
0.4776

 2.4323, 0.1866,
0.8134

 189.7475, 0.3389,
0.4665

 0.8424, 0.0000,
1.0000

 232.2099, 0.3381,

 0.0000, 0.0000,

0.4570

0.0000

280.5770, 0.3372,
0.4486

■ 37.4450, 0.3366,
0.5710

■ 37.4450, 0.3366,
0.5710

■ 37.4469, 0.3366,
0.5710

■ 38.0078, 0.3415,
0.5597

■ 38.6732, 0.3448,
0.5436

■ 39.4611, 0.3460,
0.5223

■ 40.3813, 0.3450,
0.4967

■ 41.4422, 0.3421,
0.4684

■ 42.6515, 0.3377,
0.4389

■ 44.0160, 0.3322,
0.4093

■ 45.5423, 0.3260,
0.3807

■ 47.2363, 0.3194,
0.3538

Harmonies

Analogous

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



37.4450, 0.4441, 0.5174



37.4450, 0.3366, 0.5710



37.4450, 0.2289, 0.5106

Triad

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



37.4450, 0.3366, 0.5710



37.4450, 0.1237, 0.1723



37.4450, 0.4943, 0.2751

Complementary

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



37.4450, 0.3366, 0.5710



5.8718, 0.2023, 0.0888

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.



37.4450, 0.3666, 0.2116



37.4450, 0.3366, 0.5710



37.4450, 0.1630, 0.1554

Square

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



37.4450, 0.3366, 0.5710



37.4450, 0.1184, 0.2328



37.4450, 0.2434, 0.1696



37.4450, 0.5556, 0.3486

Rectangle

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



37.4450, 0.3366, 0.5710



37.4450, 0.1717, 0.4094



37.4450, 0.2434, 0.1696



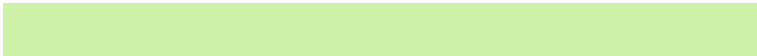
37.4450, 0.4558, 0.2523

Sweetspot

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



37.4469, 0.3366, 0.5710



79.6494, 0.3325, 0.4107



17.7352, 0.5457, 0.4049



17.3029, 0.3349, 0.4232



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.



37.4469, 0.3366, 0.5710



67.7284, 0.3355, 0.5718



35.1390, 0.3004, 0.5997



10.2748, 0.3189, 0.3521



25.2369, 0.3375, 0.5702



0.9265, 0.3577, 0.5542

Inverse Universe

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



5.8718, 0.2023, 0.0888



10.4986, 0.2007, 0.0879



13.6007, 0.3168, 0.1519



8.9341, 0.3060, 0.3059



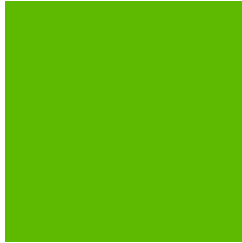
3.9948, 0.2036, 0.0895



0.1776, 0.2325, 0.1054

Previews

White Background



This preview shows how the Yxy color 37.4450, 0.3366, 0.5710 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 37.4450, 0.3366, 0.5710 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 37.4450, 0.3366, 0.5710

Background



This preview shows how black text looks on a background with the Yxy color 37.4450, 0.3366, 0.5710.



This preview shows how white text looks on a background with the Yxy color 37.4450, 0.3366, 0.5710.

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

37.4450, 0.3366, 0.5710

Protanopia

36.8652, 0.4408, 0.4882

Deuteranopia

36.7044, 0.4623, 0.4522



Tritanopia

37.3265, 0.2588, 0.3078

Trichromacy



Original Color

37.4450, 0.3366, 0.5710



Protanomaly

36.1804, 0.3991, 0.5213



Deuteranomaly

35.3377, 0.4141, 0.4992



Tritanomaly

36.4239, 0.3003, 0.4279

Monochromacy



Original Color

37.4450, 0.3366, 0.5710



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.1958, 0.3393, 0.4486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4450, 0.3366, 0.5710 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(93, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 186, 0)  
}
```

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(93, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.4450, 0.3366, 0.5710 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(93, 186, 0) }
```

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

```
.border{ border-color:rgb(93, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(93, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 186, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.4450, 0.3366, 0.5710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 186, 0) }
```

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

```
.background{ background-color: rgb(93, 186,  
0) }
```

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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