

Converting Colors

$Y_{xy}(37.3595, 0.3215, 0.5803)$

Have a look what the booklet for
Yxy(37.3595, 0.3215, 0.5803)
contains.

Yxy(37.3595, 0.3215, 0.5803)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.3595, 0.3215, 0.5803)

Conversions

Conversions Part 1

Format	Color
Hex	48BC07
RGB	72, 188, 7
RGB Percent	28%, 74%, 3%
CMY	0.7174, 0.2628, 0.9724
CMYK	0.62, 0.00, 0.96, 0.26
HSL	98°, 93%, 38%
HSV	98°, 96%, 74%
XYZ	20.6981, 37.3595, 6.3221
YIQ	132.6820, -11.0350, -80.8830

Conversions

Conversions Part 2

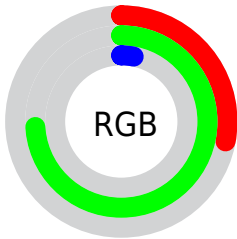
Format	Color
RYB	7, 188, 123
Decimal	4766727
CIELab	67.55, -59.30, 66.60
CIELCh	68, 89.171, 131.680
Yxy	37.3595, 0.3215, 0.5803
Android (android.graphics.Color)	4282956807 (0xFF48BC07)
YUV	132.6820, -61.9612, -53.2181
Hunter-Lab	61.1224, -46.5183, 36.6531

Details

The Yxy color **37.3595, 0.3215, 0.5803** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7.9931, 0.2356, 0.1087**, and the grayscale version is **23.5757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9523, 0.3282, 0.5301**, and **16.7751, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **37.1782, 0.3196, 0.5844**, and if you desaturate by 10%, it is **37.9292, 0.3264, 0.5669**.

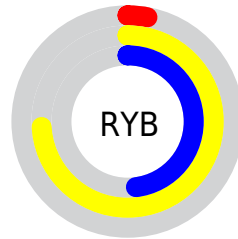
Distribution



Red (28%)

Green (74%)

Blue (3%)



Red (3%)

Yellow (74%)

Blue (48%)

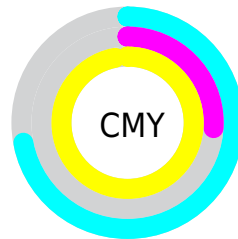


Cyan (62%)

Magenta (0%)

Yellow (96%)

Black (26%)



Cyan (72%)


Magenta (26%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3595, 0.3215, 0.5803 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 37.3595, 0.3215, 0.5803 by changing the saturation by 10% instead.


 37.3595, 0.3215,
0.5803


 37.3595, 0.3215,
0.5803


334.8643, 0.3292,
0.4438

 25.4860, 0.3138,
0.6146


 71.1254, 0.3282,
0.5296

 16.4395, 0.3002,
0.6567

 93.7865, 0.3295,
0.5107


 9.8357, 0.2806,
0.7194


 120.8122, 0.3301,
0.4949

 5.2901, 0.2333,
0.7667

 152.5870, 0.3303,
0.4815

 2.4185, 0.1415,
0.8585

 189.4952, 0.3302,
0.4700

 0.8354, 0.0000,
1.0000

 231.9212, 0.3300,

 0.0000, 0.0000,

0.4600

0.0000

280.2495, 0.3296,
0.4514

■ 37.3595, 0.3215,
0.5803

■ 37.3595, 0.3215,
0.5803

■ 37.1782, 0.3196,
0.5844

■ 37.9292, 0.3264,
0.5669

■ 38.6474, 0.3298,
0.5473

■ 39.5300, 0.3316,
0.5221

■ 40.5890, 0.3316,
0.4931

■ 41.8349, 0.3301,
0.4620

■ 43.2772, 0.3275,
0.4304

■ 44.9250, 0.3239,
0.3998

■ 46.7864, 0.3199,
0.3709

■ 48.8694, 0.3155,
0.3443

Harmonies

Analogous

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



37.3595, 0.4330, 0.5316



37.3595, 0.3215, 0.5803



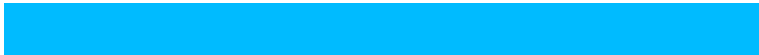
37.3595, 0.2133, 0.5014

Triad

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



37.3595, 0.3215, 0.5803



37.3595, 0.1221, 0.1639



37.3595, 0.5133, 0.2816

Complementary

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



37.3595, 0.3215, 0.5803



7.9931, 0.2356, 0.1087

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.



37.3595, 0.3854, 0.2152



37.3595, 0.3215, 0.5803



37.3595, 0.1664, 0.1512

Square

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



37.3595, 0.3215, 0.5803



37.3595, 0.1124, 0.2185



37.3595, 0.2542, 0.1693



37.3595, 0.5641, 0.3567

Rectangle

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



37.3595, 0.3215, 0.5803



37.3595, 0.1586, 0.3915



37.3595, 0.2542, 0.1693



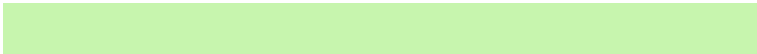
37.3595, 0.4761, 0.2580

Sweetspot

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



37.3611, 0.3215, 0.5803



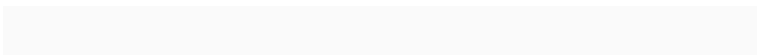
80.4180, 0.3252, 0.4095



24.5397, 0.4971, 0.4405



17.0206, 0.3267, 0.4226



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.



37.3611, 0.3215, 0.5803



67.2568, 0.3186, 0.5852



36.1106, 0.2967, 0.5848



10.8120, 0.3169, 0.3523



25.3521, 0.3205, 0.5837



1.0303, 0.3404, 0.5679

Inverse Universe

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



7.9931, 0.2356, 0.1087



13.7320, 0.2309, 0.1046



13.5197, 0.3561, 0.1750



9.5202, 0.3082, 0.3060



5.2555, 0.2333, 0.1059



0.2414, 0.2547, 0.1177

Previews

White Background



This preview shows how the Yxy color 37.3595, 0.3215, 0.5803 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 37.3595, 0.3215, 0.5803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

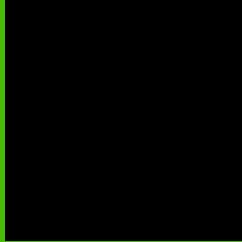
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3595, 0.3215, 0.5803

Background



This preview shows how black text looks on a background with the Yxy color 37.3595, 0.3215, 0.5803.



This preview shows how white text looks on a background with the Yxy color 37.3595, 0.3215, 0.5803.

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

37.3595, 0.3215, 0.5803

Protanopia

36.7413, 0.4398, 0.4890

Deuteranopia

36.5750, 0.4605, 0.4518



Tritanopia

37.2771, 0.2493, 0.3074

Trichromacy



Original Color

37.3595, 0.3215, 0.5803



Protanomaly

35.7334, 0.3888, 0.5285



Deuteranomaly

34.8894, 0.4038, 0.5043



Tritanomaly

36.3479, 0.2856, 0.4270

Monochromacy



Original Color

37.3595, 0.3215, 0.5803



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

26.8501, 0.3295, 0.4499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3595, 0.3215, 0.5803 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, 188, 7)` looks like.

```
.text, #text, p{  
    color:rgb(72, 188, 7)  
}
```

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, 188, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 188, 7) }
```

Border

The CSS property to change the border of an element to Yxy 37.3595, 0.3215, 0.5803 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, 188, 7) }
```

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

```
.border{ border-color:rgb(72, 188, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 188, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 188, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 188, 7);  
box-shadow:4px 4px 4px 4px rgb(72, 188, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 37.3595, 0.3215, 0.5803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 188, 7) }
```

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

```
.background{ background-color: rgb(72, 188,  
7) }
```

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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