

Converting Colors

$Y_{xy}(37.0443, 0.3512, 0.5593)$

Have a look what the booklet for
Yxy(37.0443, 0.3512, 0.5593)
contains.

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Color

Yxy(37.1820, 0.3514, 0.5592)

Conversions

Conversions Part 1

Format	Color
Hex	6EB700
RGB	110, 183, 0
RGB Percent	43%, 72%, 0%
CMY	0.5686, 0.2823, 1.0000
CMYK	0.40, 0.00, 1.00, 0.28
HSL	84°, 100%, 36%
HSV	84°, 100%, 72%
XYZ	23.3651, 37.1820, 5.9443
YIQ	140.3110, 15.2350, -72.3890

Conversions

Conversions Part 2

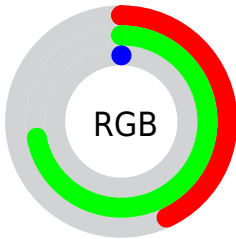
Format	Color
RYB	0, 183, 73
Decimal	7255808
CIELab	67.41, -46.32, 67.94
CIELCh	67, 82.233, 124.285
Yxy	37.1820, 0.3514, 0.5592
Android (android.graphics.Color)	4285445888 (0xFF6EB700)
YUV	140.3110, -69.1733, -26.5827
Hunter-Lab	60.9770, -38.3125, 36.9041

Details

The Yxy color **37.1820, 0.3514, 0.5592** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **4.8350, 0.1843, 0.0789**, and the grayscale version is **26.6254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6079, 0.3525, 0.5143**, and **16.3786, 0.3248, 0.5803** is the 20% darker color. If you saturate the color by 10%, you get **37.1837, 0.3514, 0.5592**, and if you desaturate by 10%, it is **37.7160, 0.3554, 0.5489**.

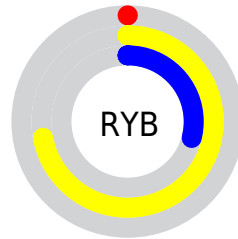
Distribution



Red (43%)

Green (72%)

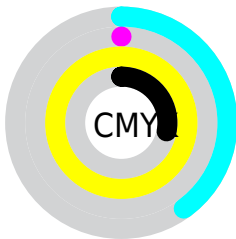
Blue (0%)



Red (0%)

Yellow (72%)

Blue (29%)

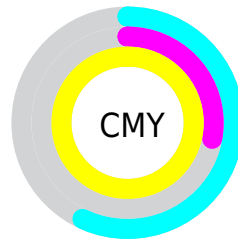


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (57%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1820, 0.3514, 0.5592 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 37.1820, 0.3514, 0.5592 by changing the saturation by 10% instead.

 37.1820, 0.3514,
0.5592


 37.1820, 0.3514,
0.5592


334.0978, 0.3430,
0.4373


 25.3484, 0.3479,
0.5884


 70.8526, 0.3521,
0.5149


 16.3368, 0.3396,
0.6236


 93.4585, 0.3512,
0.4981


 9.7628, 0.3264,
0.6736


 120.4238, 0.3499,
0.4839

 5.2420, 0.2882,
0.7118

 152.1332, 0.3485,
0.4718

 2.3899, 0.2269,
0.7731

 188.9708, 0.3471,
0.4613

 0.8207, 0.0000,
1.0000

 231.3212, 0.3457,

 0.0000, 0.0000,

0.4522

0.0000

279.5688, 0.3443,
0.4443

■ 37.1820, 0.3514,
0.5592

■ 37.1820, 0.3514,
0.5592

■ 37.1837, 0.3514,
0.5592

■ 37.7160, 0.3554,
0.5489

■ 38.3296, 0.3576,
0.5342

■ 39.0410, 0.3575,
0.5146

■ 39.8585, 0.3550,
0.4909

■ 40.7894, 0.3505,
0.4644

■ 41.8403, 0.3444,
0.4363

■ 43.0170, 0.3372,
0.4079

■ 44.3249, 0.3292,
0.3801

■ 45.7691, 0.3210,
0.3537

Harmonies

Analogous

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



37.1820, 0.4538, 0.5028



37.1820, 0.3514, 0.5592



37.1820, 0.2454, 0.5159

Triad

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



37.1820, 0.3514, 0.5592



37.1820, 0.1267, 0.1824



37.1820, 0.4738, 0.2691

Complementary

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



37.1820, 0.3514, 0.5592



4.8350, 0.1843, 0.0789

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.



37.1820, 0.3485, 0.2090



37.1820, 0.3514, 0.5592



37.1820, 0.1609, 0.1609

Square

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



37.1820, 0.3514, 0.5592



37.1820, 0.1260, 0.2486



37.1820, 0.2340, 0.1711



37.1820, 0.5440, 0.3405

Rectangle

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



37.1820, 0.3514, 0.5592



37.1820, 0.1863, 0.4253



37.1820, 0.2340, 0.1711



37.1820, 0.4348, 0.2473

Sweetspot

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



37.1837, 0.3514, 0.5592



76.9311, 0.3375, 0.4093



14.4667, 0.5742, 0.3823



16.7910, 0.3407, 0.4212



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.



37.1837, 0.3514, 0.5592



66.4562, 0.3504, 0.5600



34.0310, 0.3030, 0.5977



10.3198, 0.3204, 0.3520



25.9801, 0.3522, 0.5586



0.9508, 0.3696, 0.5447

Inverse Universe

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



4.8350, 0.1843, 0.0789



8.5339, 0.1828, 0.0780



11.0639, 0.2917, 0.1380



8.8895, 0.3045, 0.3058



3.4105, 0.1856, 0.0796



0.1565, 0.2164, 0.0966

Previews

White Background



This preview shows how the Yxy color 37.1820, 0.3514, 0.5592 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 37.1820, 0.3514, 0.5592 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

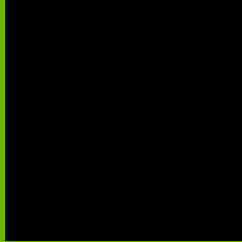
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1820, 0.3514, 0.5592

Background



This preview shows how black text looks on a background with the Yxy color 37.1820, 0.3514, 0.5592.



This preview shows how white text looks on a background with the Yxy color 37.1820, 0.3514, 0.5592.

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

37.1820, 0.3514, 0.5592

Protanopia

36.7413, 0.4398, 0.4890

Deuteranopia

36.6919, 0.4631, 0.4532



Tritanopia

37.0354, 0.2694, 0.3081

Trichromacy



Original Color

37.1820, 0.3514, 0.5592

Protanomaly

36.2939, 0.4051, 0.5165

Deuteranomaly

35.6301, 0.4216, 0.4940

Tritanomaly

36.1553, 0.3132, 0.4240

Monochromacy



Original Color

37.1820, 0.3514, 0.5592

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

29.1653, 0.3457, 0.4433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1820, 0.3514, 0.5592 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(110, 183, 0)` looks like.

```
.text, #text, p{  
    color:rgb(110, 183, 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(110, 183, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 183, 0) }
```

Border

The CSS property to change the border of an element to Yxy 37.1820, 0.3514, 0.5592 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(110, 183, 0) }
```

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

```
.border{ border-color:rgb(110, 183, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 183, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 183, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 183, 0);  
box-shadow:4px 4px 4px 4px rgb(110, 183,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1820, 0.3514, 0.5592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 183, 0) }
```

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

```
.background{ background-color: rgb(110,  
183, 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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