

Converting Colors

$Yxy(35.3837, 0.3390, 0.5666)$

Have a look what the booklet for
Yxy(35.3837, 0.3390, 0.5666)
contains.

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Color

Yxy(35.4406, 0.3387, 0.5670)

Conversions

Conversions Part 1

Format	Color
Hex	5EB506
RGB	94, 181, 6
RGB Percent	37%, 71%, 2%
CMY	0.6315, 0.2902, 0.9768
CMYK	0.48, 0.00, 0.97, 0.29
HSL	90°, 94%, 37%
HSV	90°, 97%, 71%
XYZ	21.1706, 35.4406, 5.8943
YIQ	135.0370, 4.3230, -72.8690

Conversions

Conversions Part 2

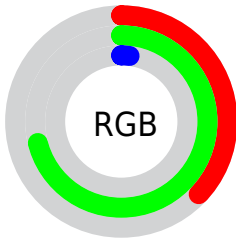
Format	Color
RYB	6, 181, 93
Decimal	6206726
CIELab	66.09, -50.75, 65.88
CIELCh	66, 83.159, 127.609
Yxy	35.4406, 0.3387, 0.5670
Android (android.graphics.Color)	4284396806 (0xFF5EB506)
YUV	135.0370, -63.6152, -35.9894
Hunter-Lab	59.5320, -40.7034, 35.8021

Details

The Yxy color **35.4406, 0.3387, 0.5670** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **5.7893, 0.2054, 0.0921**, and the grayscale version is **24.4778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.3890, 0.3416, 0.5199**, and **15.4118, 0.3092, 0.5927** is the 20% darker color. If you saturate the color by 10%, you get **35.2767, 0.3371, 0.5705**, and if you desaturate by 10%, it is **35.9987, 0.3432, 0.5545**.

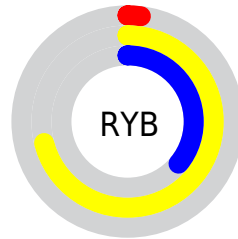
Distribution



Red (37%)

Green (71%)

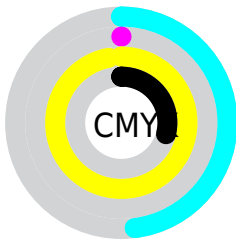
Blue (2%)



Red (2%)

Yellow (71%)

Blue (36%)

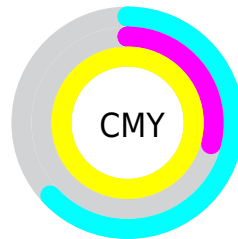


Cyan (48%)

Magenta (0%)

Yellow (97%)

Black (29%)



Cyan (63%)


Magenta (29%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4406, 0.3387, 0.5670 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 35.4406, 0.3387, 0.5670 by changing the saturation by 10% instead.


 35.4406, 0.3387,
0.5670


 35.4406, 0.3387,
0.5670


326.5089, 0.3369,
0.4384


 24.0025, 0.3334,
0.5989


 68.1678, 0.3419,
0.5195


 15.3355, 0.3226,
0.6378


 90.2256, 0.3418,
0.5017


 9.0552, 0.3059,
0.6941


 116.5921, 0.3413,
0.4868

 4.7772, 0.2621,
0.7379

 147.6517, 0.3405,
0.4741

 2.1171, 0.1766,
0.8234

 183.7888, 0.3397,
0.4632

 0.6742, 0.0000,
1.0000

 225.3878, 0.3387,

 0.0000, 0.0000,

0.4538

0.0000

272.8330, 0.3378,
0.4456

■ 35.4406, 0.3387,
0.5670

■ 35.4406, 0.3387,
0.5670

■ 35.2767, 0.3371,
0.5705

■ 35.9987, 0.3432,
0.5545

■ 36.6616, 0.3458,
0.5366

■ 37.4419, 0.3462,
0.5138

■ 38.3484, 0.3445,
0.4873

■ 39.3887, 0.3410,
0.4585

■ 40.5696, 0.3361,
0.4289

■ 41.8974, 0.3303,
0.3996

■ 43.3780, 0.3239,
0.3716

■ 45.0169, 0.3172,
0.3454

Harmonies

Analogous

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



35.4406, 0.4447, 0.5145



35.4406, 0.3387, 0.5670



35.4406, 0.2319, 0.5089

Triad

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



35.4406, 0.3387, 0.5670



35.4406, 0.1254, 0.1748



35.4406, 0.4900, 0.2751

Complementary

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



35.4406, 0.3387, 0.5670



5.7893, 0.2054, 0.0921

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.



35.4406, 0.3640, 0.2123



35.4406, 0.3387, 0.5670



35.4406, 0.1639, 0.1573

Square

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



35.4406, 0.3387, 0.5670



35.4406, 0.1208, 0.2357



35.4406, 0.2430, 0.1710



35.4406, 0.5520, 0.3480

Rectangle

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



35.4406, 0.3387, 0.5670



35.4406, 0.1748, 0.4104



35.4406, 0.2430, 0.1710



35.4406, 0.4519, 0.2525

Sweetspot

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



35.4421, 0.3387, 0.5670



74.3493, 0.3320, 0.4076



17.2419, 0.5384, 0.4073



15.8533, 0.3344, 0.4199



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.4421, 0.3387, 0.5670



63.0387, 0.3360, 0.5714



33.1207, 0.3005, 0.5971



9.6930, 0.3189, 0.3520



24.3581, 0.3380, 0.5698



0.8011, 0.3599, 0.5525

Inverse Universe

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



5.7893, 0.2054, 0.0921



9.7301, 0.2003, 0.0877



12.9404, 0.3169, 0.1531



8.4306, 0.3060, 0.3060



3.8385, 0.2032, 0.0893



0.1555, 0.2347, 0.1067

Previews

White Background



This preview shows how the Yxy color 35.4406, 0.3387, 0.5670 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 35.4406, 0.3387, 0.5670 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 35.4406, 0.3387, 0.5670

Background



This preview shows how black text looks on a background with the Yxy color 35.4406, 0.3387, 0.5670.



This preview shows how white text looks on a background with the Yxy color 35.4406, 0.3387, 0.5670.

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

35.4406, 0.3387, 0.5670

Protanopia

34.8449, 0.4402, 0.4886

Deuteranopia

34.6843, 0.4624, 0.4519



Tritanopia

35.1646, 0.2603, 0.3073

Trichromacy



Original Color

35.4406, 0.3387, 0.5670

Protanomaly

34.3992, 0.3994, 0.5203

Deuteranomaly

33.5966, 0.4144, 0.4971

Tritanomaly

34.4464, 0.3010, 0.4228

Monochromacy



Original Color

35.4406, 0.3387, 0.5670

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

27.1541, 0.3384, 0.4432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4406, 0.3387, 0.5670 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(94, 181, 6)` looks like.

```
.text, #text, p{  
    color:rgb(94, 181, 6)  
}
```

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(94, 181, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 181, 6) }
```

Border

The CSS property to change the border of an element to Yxy 35.4406, 0.3387, 0.5670 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(94, 181, 6) }
```

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

```
.border{ border-color:rgb(94, 181, 6) }
```

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

Here you see how a box with a 4 pixel rgb(94, 181, 6) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 181, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 181, 6);  
box-shadow:4px 4px 4px 4px rgb(94, 181, 6)  
}
```


Background

The CSS property to change the background color of an element to Yxy 35.4406, 0.3387, 0.5670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 181, 6) }
```

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

```
.background{ background-color: rgb(94, 181,  
6) }
```

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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