

Converting Colors

Yxy(38.2281, 0.3461, 0.5634)

Have a look what the booklet for
Yxy(38.2281, 0.3461, 0.5634)
contains.

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Color

Yxy(38.1820, 0.3466, 0.5630)

Conversions

Conversions Part 1

Format	Color
Hex	6ABA00
RGB	106, 186, 0
RGB Percent	42%, 73%, 0%
CMY	0.5842, 0.2706, 0.9999
CMYK	0.43, 0.00, 1.00, 0.27
HSL	86°, 100%, 36%
HSV	86°, 100%, 73%
XYZ	23.5060, 38.1820, 6.1308
YIQ	140.8760, 12.0260, -74.8060

Conversions

Conversions Part 2

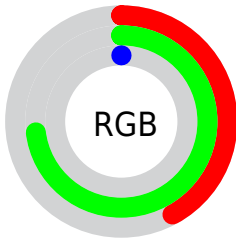
Format	Color
RYB	0, 186, 80
Decimal	6994432
CIELab	68.15, -48.89, 68.44
CIELCh	68, 84.106, 125.540
Yxy	38.1820, 0.3466, 0.5630
Android (android.graphics.Color)	4285184512 (0xFF6ABA00)
YUV	140.8760, -69.4519, -30.5863
Hunter-Lab	61.7916, -40.2325, 37.3715

Details

The Yxy color **38.1820, 0.3466, 0.5630** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **5.2499, 0.1894, 0.0817**, and the grayscale version is **26.8636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5438, 0.3483, 0.5185**, and **17.0380, 0.3189, 0.5850** is the 20% darker color. If you saturate the color by 10%, you get **38.1832, 0.3466, 0.5630**, and if you desaturate by 10%, it is **38.7426, 0.3510, 0.5524**.

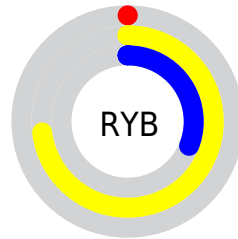
Distribution



Red (42%)

Green (73%)

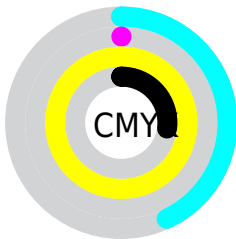
Blue (0%)



Red (0%)

Yellow (73%)

Blue (31%)

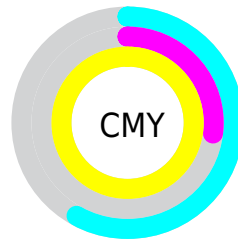


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (58%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.1820, 0.3466, 0.5630 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 38.1820, 0.3466, 0.5630 by changing the saturation by 10% instead.

 38.1820, 0.3466,
0.5630


 38.1820, 0.3466,
0.5630


338.4001, 0.3410,
0.4390


 26.1240, 0.3424,
0.5928


 72.3870, 0.3483,
0.5180


 16.9164, 0.3334,
0.6287


 95.3028, 0.3478,
0.5009

 10.1749, 0.3195,
0.6805


 122.6066, 0.3468,
0.4864

 5.5151, 0.2806,
0.7194

 154.6828, 0.3457,
0.4741

 2.5525, 0.2193,
0.7807

 191.9159, 0.3445,
0.4635

 0.9029, 0.0000,
1.0000

 234.6902, 0.3433,

 0.0000, 0.0000,

0.4542

0.0000

283.3901, 0.3421,
0.4462

■ 38.1820, 0.3466,
0.5630

■ 38.1820, 0.3466,
0.5630

■ 38.1832, 0.3466,
0.5630

■ 38.7426, 0.3510,
0.5524

■ 39.3919, 0.3536,
0.5372

■ 40.1489, 0.3539,
0.5171

■ 41.0225, 0.3519,
0.4928

■ 42.0207, 0.3479,
0.4657

■ 43.1502, 0.3423,
0.4372

■ 44.4175, 0.3356,
0.4084

■ 45.8285, 0.3282,
0.3803

■ 47.3885, 0.3205,
0.3537

Harmonies

Analogous

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



38.1820, 0.4507, 0.5075



38.1820, 0.3466, 0.5630



38.1820, 0.2400, 0.5142

Triad

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



38.1820, 0.3466, 0.5630



38.1820, 0.1257, 0.1791



38.1820, 0.4805, 0.2711

Complementary

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



38.1820, 0.3466, 0.5630



5.2499, 0.1894, 0.0817

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.



38.1820, 0.3544, 0.2099



38.1820, 0.3466, 0.5630



38.1820, 0.1616, 0.1591

Square

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



38.1820, 0.3466, 0.5630



38.1820, 0.1235, 0.2433



38.1820, 0.2370, 0.1707



38.1820, 0.5479, 0.3432

Rectangle

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



38.1820, 0.3466, 0.5630



38.1820, 0.1815, 0.4202



38.1820, 0.2370, 0.1707



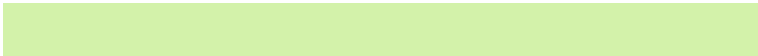
38.1820, 0.4416, 0.2490

Sweetspot

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



38.1837, 0.3466, 0.5630



80.3889, 0.3360, 0.4098



15.8181, 0.5650, 0.3896



17.4829, 0.3389, 0.4220



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.



38.1837, 0.3466, 0.5630



69.0647, 0.3455, 0.5638



35.2232, 0.3019, 0.5985



10.3059, 0.3200, 0.3520



25.7339, 0.3475, 0.5623



0.9430, 0.3659, 0.5477

Inverse Universe

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



5.2499, 0.1894, 0.0817



9.3781, 0.1878, 0.0808



12.1473, 0.3001, 0.1427



8.9032, 0.3050, 0.3058



3.5740, 0.1907, 0.0824



0.1627, 0.2212, 0.0992

Previews

White Background



This preview shows how the Yxy color 38.1820, 0.3466, 0.5630 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 38.1820, 0.3466, 0.5630 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 38.1820, 0.3466, 0.5630

Background



This preview shows how black text looks on a background with the Yxy color 38.1820, 0.3466, 0.5630.



This preview shows how white text looks on a background with the Yxy color 38.1820, 0.3466, 0.5630.

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

38.1820, 0.3466, 0.5630

Protanopia

37.7115, 0.4396, 0.4892

Deuteranopia

37.6574, 0.4624, 0.4534



Tritanopia

38.0642, 0.2657, 0.3082

Trichromacy



Original Color

38.1820, 0.3466, 0.5630

Protanomaly

37.0552, 0.4033, 0.5180

Deuteranomaly

36.7291, 0.4183, 0.4963

Tritanomaly

37.1658, 0.3090, 0.4254

Monochromacy



Original Color

38.1820, 0.3466, 0.5630

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

29.4413, 0.3434, 0.4434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.1820, 0.3466, 0.5630 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(106, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(106, 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(106, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 186, 0) }
```

Border

The CSS property to change the border of an element to Yxy 38.1820, 0.3466, 0.5630 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(106, 186, 0) }
```

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

```
.border{ border-color:rgb(106, 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(106, 186, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(106, 186,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 38.1820, 0.3466, 0.5630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 186, 0) }
```

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

```
.background{ background-color: rgb(106,  
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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