

Converting Colors

$Y_{xy}(36.6320, 0.3468, 0.5637)$

Have a look what the booklet for
Yxy(36.6320, 0.3468, 0.5637)
contains.

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Color

Yxy(36.8100, 0.3464, 0.5632)

Conversions

Conversions Part 1

Format	Color
Hex	68B700
RGB	104, 183, 0
RGB Percent	41%, 72%, 0%
CMY	0.5922, 0.2823, 1.0000
CMYK	0.43, 0.00, 1.00, 0.28
HSL	86°, 100%, 36%
HSV	86°, 100%, 72%
XYZ	22.6402, 36.8100, 5.9084
YIQ	138.5170, 11.6590, -73.6610

Conversions

Conversions Part 2

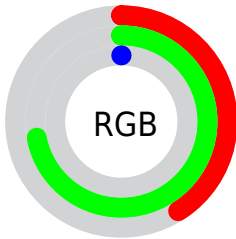
Format	Color
RYB	0, 183, 79
Decimal	6862592
CIELab	67.13, -48.39, 67.62
CIELCh	67, 83.150, 125.591
Yxy	36.8100, 0.3464, 0.5632
Android (android.graphics.Color)	4285052672 (0xFF68B700)
YUV	138.5170, -68.2889, -30.2714
Hunter-Lab	60.6712, -39.5651, 36.6960

Details

The Yxy color **36.8100, 0.3464, 0.5632** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **5.0826, 0.1898, 0.0819**, and the grayscale version is **25.8865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5516, 0.3480, 0.5176**, and **16.1928, 0.3183, 0.5854** is the 20% darker color. If you saturate the color by 10%, you get **36.8118, 0.3464, 0.5632**, and if you desaturate by 10%, it is **37.3517, 0.3507, 0.5525**.

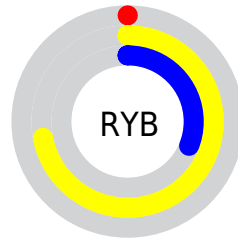
Distribution



Red (41%)

Green (72%)

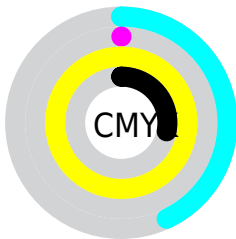
Blue (0%)



Red (0%)

Yellow (72%)

Blue (31%)

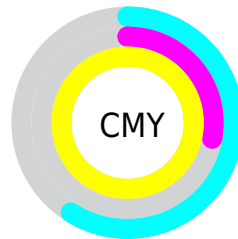


Cyan (43%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (59%)


Magenta (28%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.8100, 0.3464, 0.5632 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 36.8100, 0.3464, 0.5632 by changing the saturation by 10% instead.


 36.8100, 0.3464,
0.5632


 36.8100, 0.3464,
0.5632


332.4872, 0.3407,
0.4384


 25.0604, 0.3421,
0.5934


 70.2805, 0.3482,
0.5177


 16.1221, 0.3328,
0.6300


 92.7701, 0.3476,
0.5004

 9.6106, 0.3180,
0.6820


 119.6086, 0.3467,
0.4859

 5.1415, 0.2778,
0.7222

 151.1803, 0.3455,
0.4735

 2.3305, 0.2106,
0.7894

 187.8697, 0.3443,
0.4628

 0.7898, 0.0000,
1.0000

 230.0610, 0.3431,

 0.0000, 0.0000,

0.4536

0.0000

278.1387, 0.3419,
0.4455

■ 36.8100, 0.3464,
0.5632

■ 36.8100, 0.3464,
0.5632

■ 36.8118, 0.3464,
0.5632

■ 37.3517, 0.3507,
0.5525

■ 37.9788, 0.3534,
0.5373

■ 38.7099, 0.3537,
0.5171

■ 39.5537, 0.3517,
0.4928

■ 40.5178, 0.3477,
0.4656

■ 41.6088, 0.3422,
0.4371

■ 42.8327, 0.3355,
0.4083

■ 44.1954, 0.3281,
0.3803

■ 45.7019, 0.3205,
0.3537

Harmonies

Analogous

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



36.8100, 0.4506, 0.5077



36.8100, 0.3464, 0.5632



36.8100, 0.2398, 0.5142

Triad

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



36.8100, 0.3464, 0.5632



36.8100, 0.1257, 0.1789



36.8100, 0.4808, 0.2712

Complementary

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



36.8100, 0.3464, 0.5632



5.0826, 0.1898, 0.0819

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.



36.8100, 0.3546, 0.2099



36.8100, 0.3464, 0.5632



36.8100, 0.1616, 0.1590

Square

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



36.8100, 0.3464, 0.5632



36.8100, 0.1234, 0.2431



36.8100, 0.2371, 0.1706



36.8100, 0.5481, 0.3433

Rectangle

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



36.8100, 0.3464, 0.5632



36.8100, 0.1813, 0.4200



36.8100, 0.2371, 0.1706



36.8100, 0.4419, 0.2490

Sweetspot

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



36.8118, 0.3464, 0.5632



76.5918, 0.3359, 0.4097



15.2720, 0.5648, 0.3897



16.7079, 0.3388, 0.4218



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.



36.8118, 0.3464, 0.5632



65.7849, 0.3453, 0.5640



33.9736, 0.3019, 0.5985



10.3051, 0.3199, 0.3520



25.7195, 0.3472, 0.5625



0.9425, 0.3657, 0.5479

Inverse Universe

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



5.0826, 0.1898, 0.0819



8.9718, 0.1882, 0.0811



11.7173, 0.3001, 0.1427



8.9040, 0.3050, 0.3058



3.5844, 0.1911, 0.0826



0.1631, 0.2215, 0.0994

Previews

White Background



This preview shows how the Yxy color 36.8100, 0.3464, 0.5632 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 36.8100, 0.3464, 0.5632 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 36.8100, 0.3464, 0.5632

Background



This preview shows how black text looks on a background with the Yxy color 36.8100, 0.3464, 0.5632.



This preview shows how white text looks on a background with the Yxy color 36.8100, 0.3464, 0.5632.

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

36.8100, 0.3464, 0.5632

Protanopia

36.2617, 0.4399, 0.4889

Deuteranopia

36.2239, 0.4629, 0.4524



Tritanopia

36.6458, 0.2657, 0.3079

Trichromacy



Original Color

36.8100, 0.3464, 0.5632

Protanomaly

35.6195, 0.4030, 0.5182

Deuteranomaly

35.3010, 0.4182, 0.4960

Tritanomaly

35.7959, 0.3090, 0.4253

Monochromacy



Original Color

36.8100, 0.3464, 0.5632

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

28.5829, 0.3437, 0.4448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8100, 0.3464, 0.5632 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(104, 183, 0)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 183, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 183, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.8100, 0.3464, 0.5632 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(104, 183, 0) }
```

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

```
.border{ border-color:rgb(104, 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(104, 183, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 183, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 183, 0);  
box-shadow:4px 4px 4px 4px rgb(104, 183,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8100, 0.3464, 0.5632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 183, 0) }
```

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

```
.background{ background-color: rgb(104,  
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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