

Converting Colors

$Yxy(36.7645, 0.3396, 0.5685)$

Have a look what the booklet for
Yxy(36.7645, 0.3396, 0.5685)
contains.

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Color

Yxy(36.7678, 0.3396, 0.5685)

Conversions

Conversions Part 1

Format	Color
Hex	60B800
RGB	96, 184, 0
RGB Percent	38%, 72%, 0%
CMY	0.6236, 0.2784, 0.9993
CMYK	0.48, 0.00, 1.00, 0.28
HSL	89°, 100%, 36%
HSV	89°, 100%, 72%
XYZ	21.9637, 36.7678, 5.9436
YIQ	136.7120, 6.6160, -75.8800

Conversions

Conversions Part 2

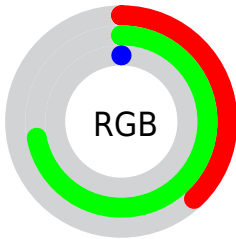
Format	Color
RYB	0, 184, 88
Decimal	6338560
CIELab	67.10, -51.37, 67.41
CIELCh	67, 84.756, 127.311
Yxy	36.7678, 0.3396, 0.5685
Android (android.graphics.Color)	4284528640 (0xFF60B800)
YUV	136.7120, -67.3990, -35.7044
Hunter-Lab	60.6365, -41.4577, 36.6339

Details

The Yxy color **36.7678, 0.3396, 0.5685** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **5.5488, 0.1984, 0.0867**, and the grayscale version is **25.1658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4292, 0.3430, 0.5212**, and **16.2265, 0.3098, 0.5922** is the 20% darker color. If you saturate the color by 10%, you get **36.7646, 0.3396, 0.5686**, and if you desaturate by 10%, it is **37.3195, 0.3443, 0.5573**.

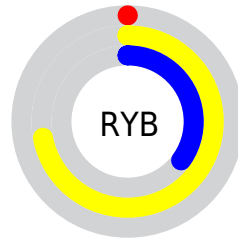
Distribution



Red (38%)

Green (72%)

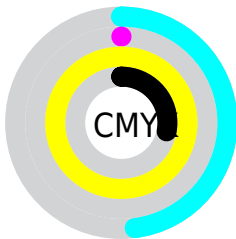
Blue (0%)



Red (0%)

Yellow (72%)

Blue (35%)

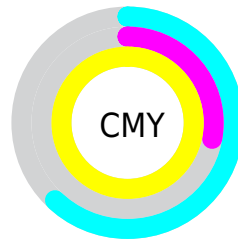


Cyan (48%)

Magenta (0%)

Yellow (100%)

Black (28%)



Cyan (62%)

Magenta (28%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7678, 0.3396, 0.5685 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 36.7678, 0.3396, 0.5685 by changing the saturation by 10% instead.

 36.7678, 0.3396,
0.5685


 36.7678, 0.3396,
0.5685


332.3041, 0.3377,
0.4400


 25.0278, 0.3343,
0.5999


 70.2155, 0.3428,
0.5214


 16.0977, 0.3237,
0.6381


 92.6920, 0.3427,
0.5036

 9.5933, 0.3072,
0.6928


 119.5160, 0.3422,
0.4887

 5.1302, 0.2647,
0.7353

 151.0721, 0.3414,
0.4760

 2.3238, 0.1901,
0.8099

 187.7445, 0.3405,
0.4651

 0.7863, 0.0000,
1.0000

 229.9178, 0.3396,

 0.0000, 0.0000,

0.4556

0.0000

277.9762, 0.3386,
0.4473

■ 36.7678, 0.3396,
0.5685

■ 36.7678, 0.3396,
0.5685

■ 36.7646, 0.3396,
0.5686

■ 37.3195, 0.3443,
0.5573

■ 37.9674, 0.3474,
0.5414

■ 38.7304, 0.3483,
0.5204

■ 39.6177, 0.3470,
0.4952

■ 40.6374, 0.3438,
0.4672

■ 41.7965, 0.3390,
0.4380

■ 43.1017, 0.3331,
0.4087

■ 44.5590, 0.3266,
0.3803

■ 46.1741, 0.3196,
0.3536

Harmonies

Analogous

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



36.7678, 0.4461, 0.5144



36.7678, 0.3396, 0.5685



36.7678, 0.2323, 0.5116

Triad

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



36.7678, 0.3396, 0.5685



36.7678, 0.1244, 0.1744



36.7678, 0.4901, 0.2740

Complementary

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



36.7678, 0.3396, 0.5685



5.5488, 0.1984, 0.0867

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.



36.7678, 0.3629, 0.2112



36.7678, 0.3396, 0.5685



36.7678, 0.1626, 0.1565

Square

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



36.7678, 0.3396, 0.5685



36.7678, 0.1200, 0.2359



36.7678, 0.2415, 0.1700



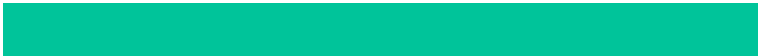
36.7678, 0.5533, 0.3470

Rectangle

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



36.7678, 0.3396, 0.5685



36.7678, 0.1746, 0.4126



36.7678, 0.2415, 0.1700



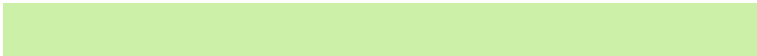
36.7678, 0.4515, 0.2514

Sweetspot

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



36.7694, 0.3396, 0.5685



77.9803, 0.3335, 0.4104



16.8406, 0.5502, 0.4012



16.5920, 0.3361, 0.4226



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.



36.7694, 0.3396, 0.5685



66.4982, 0.3384, 0.5695



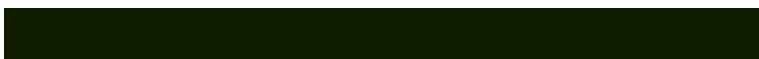
34.3242, 0.3007, 0.5994



10.2841, 0.3192, 0.3521



25.3786, 0.3404, 0.5679



0.9313, 0.3601, 0.5523

Inverse Universe

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



5.5488, 0.1984, 0.0867



9.9029, 0.1967, 0.0857



12.9151, 0.3126, 0.1496



8.9247, 0.3057, 0.3059



3.8601, 0.1996, 0.0873



0.1730, 0.2290, 0.1035

Previews

White Background



This preview shows how the Yxy color 36.7678, 0.3396, 0.5685 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 36.7678, 0.3396, 0.5685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

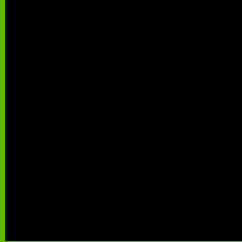
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7678, 0.3396, 0.5685

Background



This preview shows how black text looks on a background with the Yxy color 36.7678, 0.3396, 0.5685.



This preview shows how white text looks on a background with the Yxy color 36.7678, 0.3396, 0.5685.

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

36.7678, 0.3396, 0.5685

Protanopia

36.2617, 0.4399, 0.4889

Deuteranopia

36.0821, 0.4619, 0.4530



Tritanopia

36.6217, 0.2610, 0.3077

Trichromacy



Original Color

36.7678, 0.3396, 0.5685

Protanomaly

35.7051, 0.3990, 0.5214

Deuteranomaly

34.9755, 0.4151, 0.4983

Tritanomaly

35.7382, 0.3026, 0.4265

Monochromacy



Original Color

36.7678, 0.3396, 0.5685

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

27.9369, 0.3407, 0.4468

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7678, 0.3396, 0.5685 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(96, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(96, 184, 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(96, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 184, 0) }
```

Border

The CSS property to change the border of an element to Yxy 36.7678, 0.3396, 0.5685 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(96, 184, 0) }
```

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

```
.border{ border-color:rgb(96, 184, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 184, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(96, 184, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 36.7678, 0.3396, 0.5685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 184, 0) }
```

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

```
.background{ background-color: rgb(96, 184,  
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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