

Converting Colors

$Y_{xy}(35.4800, 0.3652, 0.5432)$

Have a look what the booklet for
Yxy(35.4800, 0.3652, 0.5432)
contains.

Yxy(35.2907, 0.3657, 0.5430)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.2907, 0.3657, 0.5430)

Conversions

Conversions Part 1

Format	Color
Hex	7BB00D
RGB	123, 176, 13
RGB Percent	48%, 69%, 5%
CMY	0.5176, 0.3098, 0.9497
CMYK	0.30, 0.00, 0.93, 0.31
HSL	79°, 86%, 37%
HSV	79°, 93%, 69%
XYZ	23.7676, 35.2907, 5.9338
YIQ	141.5710, 20.7350, -61.9290

Conversions

Conversions Part 2

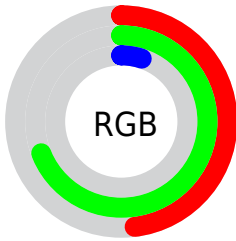
Format	Color
RYB	13, 176, 66
Decimal	8105997
CIELab	65.97, -38.33, 65.51
CIELCh	66, 75.899, 120.334
Yxy	35.2907, 0.3657, 0.5430
Android (android.graphics.Color)	4286296077 (0xFF7BB00D)
YUV	141.5710, -63.3855, -16.2868
Hunter-Lab	59.4060, -32.5448, 35.6620

Details

The Yxy color **35.2907, 0.3657, 0.5430** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.5701, 0.1817, 0.0813**, and the grayscale version is **27.1158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.0106, 0.3628, 0.5019**, and **15.3592, 0.3452, 0.5641** is the 20% darker color. If you saturate the color by 10%, you get **34.9627, 0.3634, 0.5497**, and if you desaturate by 10%, it is **35.7936, 0.3675, 0.5308**.

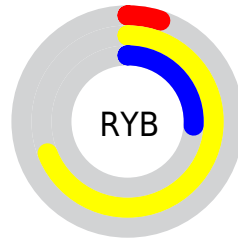
Distribution



Red (48%)

Green (69%)

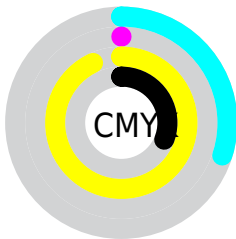
Blue (5%)



Red (5%)

Yellow (69%)

Blue (26%)

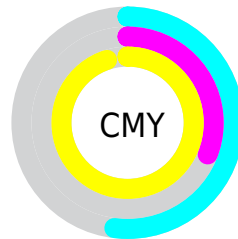


Cyan (30%)

Magenta (0%)

Yellow (93%)

Black (31%)



Cyan (52%)


Magenta (31%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2907, 0.3657, 0.5430 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 35.2907, 0.3657, 0.5430 by changing the saturation by 10% instead.


 35.2907, 0.3657,
0.5430

 35.2907, 0.3657,
0.5430


325.8496, 0.3486,
0.4300


 23.8869, 0.3647,
0.5700


 67.9359, 0.3629,
0.5021

 15.2497, 0.3597,
0.6023


 89.9460, 0.3607,
0.4865

 8.9948, 0.3512,
0.6488


 116.2604, 0.3585,
0.4733

 4.7378, 0.3175,
0.6825

 147.2634, 0.3563,
0.4621

 2.0943, 0.2624,
0.7376

 183.3394, 0.3541,
0.4524

 0.6614, 0.0000,
1.0000

 224.8729, 0.3521,

 0.0000, 0.0000,

0.4439

0.0000

272.2481, 0.3503,
0.4366

■ 35.2907, 0.3657,
0.5430

■ 35.2907, 0.3657,
0.5430

■ 34.9627, 0.3634,
0.5497

■ 35.7936, 0.3675,
0.5308

■ 36.3702, 0.3668,
0.5138

■ 37.0300, 0.3637,
0.4926

■ 37.7793, 0.3584,
0.4681

■ 38.6239, 0.3514,
0.4416

■ 39.5688, 0.3432,
0.4142

■ 40.6188, 0.3341,
0.3869

■ 41.7783, 0.3247,
0.3605

■ 43.0513, 0.3152,
0.3355

Harmonies

Analogous

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



35.2907, 0.4608, 0.4866



35.2907, 0.3657, 0.5430



35.2907, 0.2633, 0.5148

Triad

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



35.2907, 0.3657, 0.5430



35.2907, 0.1327, 0.1956



35.2907, 0.4505, 0.2644

Complementary

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



35.2907, 0.3657, 0.5430



4.5701, 0.1817, 0.0813

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.



35.2907, 0.3311, 0.2085



35.2907, 0.3657, 0.5430



35.2907, 0.1615, 0.1693

Square

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



35.2907, 0.3657, 0.5430



35.2907, 0.1370, 0.2666



35.2907, 0.2268, 0.1752



35.2907, 0.5269, 0.3328

Rectangle

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



35.2907, 0.3657, 0.5430



35.2907, 0.2037, 0.4375



35.2907, 0.2268, 0.1752



35.2907, 0.4123, 0.2438

Sweetspot

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



35.2923, 0.3657, 0.5430



72.5431, 0.3394, 0.4026



12.9827, 0.5724, 0.3746



15.5522, 0.3432, 0.4142



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



35.2923, 0.3657, 0.5430



63.2823, 0.3624, 0.5504



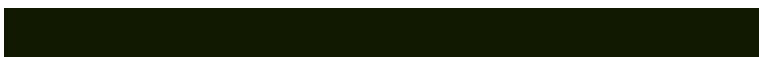
31.5880, 0.3084, 0.5875



9.7656, 0.3215, 0.3518



25.6850, 0.3640, 0.5492



0.8380, 0.3800, 0.5365

Inverse Universe

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



4.5701, 0.1817, 0.0813



7.1617, 0.1721, 0.0722



9.5373, 0.2785, 0.1338



8.3597, 0.3034, 0.3058



2.9699, 0.1747, 0.0736



0.1258, 0.2080, 0.0920

Previews

White Background



This preview shows how the Yxy color 35.2907, 0.3657, 0.5430 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 35.2907, 0.3657, 0.5430 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

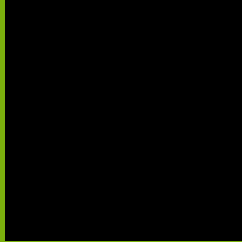
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2907, 0.3657, 0.5430

Background



This preview shows how black text looks on a background with the Yxy color 35.2907, 0.3657, 0.5430.



This preview shows how white text looks on a background with the Yxy color 35.2907, 0.3657, 0.5430.

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

35.2907, 0.3657, 0.5430

Protanopia

34.8449, 0.4402, 0.4886

Deuteranopia

34.6721, 0.4632, 0.4530



Tritanopia

35.3007, 0.2808, 0.3095

Trichromacy



Original Color

35.2907, 0.3657, 0.5430

Protanomaly

34.6543, 0.4114, 0.5098

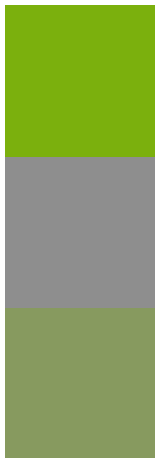
Deuteranomaly

34.1050, 0.4277, 0.4862

Tritanomaly

34.3580, 0.3241, 0.4118

Monochromacy



Original Color

35.2907, 0.3657, 0.5430

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

29.0883, 0.3478, 0.4284

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2907, 0.3657, 0.5430 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(123, 176, 13)` looks like.

```
.text, #text, p{  
    color:rgb(123, 176, 13)  
}
```

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(123, 176, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 176, 13) }
```

Border

The CSS property to change the border of an element to Yxy 35.2907, 0.3657, 0.5430 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(123, 176, 13) }
```

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

```
.border{ border-color:rgb(123, 176, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 176, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 176, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 176, 13);  
box-shadow:4px 4px 4px 4px rgb(123, 176,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2907, 0.3657, 0.5430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 176, 13) }
```

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

```
.background{ background-color: rgb(123,  
176, 13) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor