

Converting Colors

$Y_{xy}(35.6609, 0.3604, 0.5253)$

Have a look what the booklet for
Yxy(35.6609, 0.3604, 0.5253)
contains.

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Color

Yxy(35.5778, 0.3602, 0.5251)

Conversions

Conversions Part 1

Format	Color
Hex	7DB02A
RGB	125, 176, 42
RGB Percent	49%, 69%, 16%
CMY	0.5096, 0.3098, 0.8353
CMYK	0.29, 0.00, 0.76, 0.31
HSL	83°, 61%, 43%
HSV	83°, 76%, 69%
XYZ	24.4051, 35.5778, 7.7714
YIQ	145.4750, 12.6180, -52.4860

Conversions

Conversions Part 2

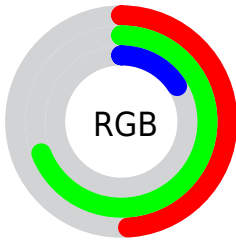
Format	Color
RYB	42, 176, 93
Decimal	8237098
CIELab	66.20, -36.50, 58.76
CIELCh	66, 69.168, 121.846
Yxy	35.5778, 0.3602, 0.5251
Android (android.graphics.Color)	4286427178 (0xFF7DB02A)
YUV	145.4750, -51.0132, -17.9566
Hunter-Lab	59.6471, -31.3477, 34.0281

Details

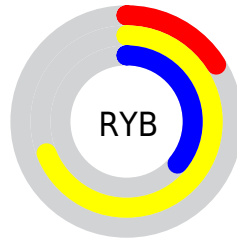
The Yxy color **35.5778, 0.3602, 0.5251** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.1159, 0.2123, 0.1147**, and the grayscale version is **28.7313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4188, 0.3563, 0.4864**, and **15.4680, 0.3487, 0.5613** is the 20% darker color. If you saturate the color by 10%, you get **34.9927, 0.3592, 0.5415**, and if you desaturate by 10%, it is **36.2553, 0.3588, 0.5041**.

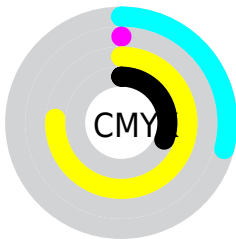
Distribution



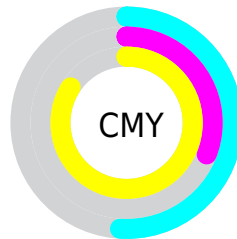
- Red (49%)
- Green (69%)
- Blue (16%)



- Red (16%)
- Yellow (69%)
- Blue (36%)



- Cyan (29%)
- Magenta (0%)
- Yellow (76%)
- Black (31%)



- Cyan (51%)
- Magenta (31%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.5778, 0.3602, 0.5251 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 35.5778, 0.3602, 0.5251 by changing the saturation by 10% instead.


 35.5778, 0.3602,
0.5251


 35.5778, 0.3602,
0.5251


327.1114, 0.3435,
0.4204


 24.1083, 0.3604,
0.5513


 68.3799, 0.3567,
0.4865


 15.4140, 0.3576,
0.5837


 90.4813, 0.3545,
0.4720


 9.1104, 0.3522,
0.6302


 116.8955, 0.3524,
0.4599

 4.8133, 0.3268,
0.6732

 148.0068, 0.3503,
0.4495

 2.1381, 0.2756,
0.7244

 184.1996, 0.3484,
0.4407

 0.6859, 0.0000,
1.0000

 225.8584, 0.3466,

 0.0000, 0.0000,

0.4330

0.0000

273.3676, 0.3450,
0.4263

■ 35.5778, 0.3602,
0.5251

■ 35.5778, 0.3602,
0.5251

■ 34.9927, 0.3592,
0.5415

■ 36.2553, 0.3588,
0.5041

■ 34.4862, 0.3560,
0.5529

■ 37.0276, 0.3552,
0.4796

■ 34.3045, 0.3545,
0.5568

■ 37.9024, 0.3497,
0.4527

■ 38.8853, 0.3428,
0.4247

■ 39.9814, 0.3349,
0.3967

■ 41.1954, 0.3265,
0.3695

■ 42.5315, 0.3179,
0.3439

■ 43.9941, 0.3095,
0.3200

■ 45.5869, 0.3013,
0.2981

Harmonies

Analogous

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



35.5778, 0.4486, 0.4810



35.5778, 0.3602, 0.5251



35.5778, 0.2649, 0.4912

Triad

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



35.5778, 0.3602, 0.5251



35.5778, 0.1452, 0.2042



35.5778, 0.4432, 0.2732

Complementary

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



35.5778, 0.3602, 0.5251



7.1159, 0.2123, 0.1147

Split Complementary

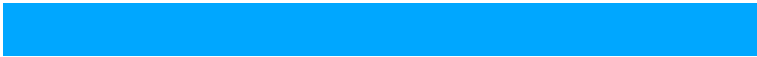
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.5778, 0.3358, 0.2194



35.5778, 0.3602, 0.5251



35.5778, 0.1744, 0.1800

Square

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



35.5778, 0.3602, 0.5251



35.5778, 0.1484, 0.2690



35.5778, 0.2381, 0.1866



35.5778, 0.5102, 0.3388

Rectangle

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



35.5778, 0.3602, 0.5251



35.5778, 0.2099, 0.4207



35.5778, 0.2381, 0.1866



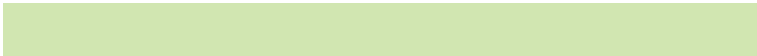
35.5778, 0.4093, 0.2534

Sweetspot

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



35.5794, 0.3602, 0.5251



73.0963, 0.3326, 0.3891



16.9022, 0.5102, 0.3907



15.6791, 0.3355, 0.3989



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.



35.5794, 0.3602, 0.5251



62.8600, 0.3573, 0.5494



32.1730, 0.3099, 0.5602



9.7420, 0.3207, 0.3519



25.2055, 0.3551, 0.5562



0.8253, 0.3734, 0.5418

Inverse Universe

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



7.1159, 0.2123, 0.1147



8.9226, 0.1901, 0.0859



12.0731, 0.2957, 0.1567



8.3824, 0.3042, 0.3059



3.2050, 0.1827, 0.0780



0.1349, 0.2166, 0.0967

Previews

White Background



This preview shows how the Yxy color 35.5778, 0.3602, 0.5251 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 35.5778, 0.3602, 0.5251 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 35.5778, 0.3602, 0.5251

Background



This preview shows how black text looks on a background with the Yxy color 35.5778, 0.3602, 0.5251.



This preview shows how white text looks on a background with the Yxy color 35.5778, 0.3602, 0.5251.

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

35.5778, 0.3602, 0.5251

Protanopia

35.3330, 0.4300, 0.4760

Deuteranopia

35.1219, 0.4538, 0.4435



Tritanopia

35.3880, 0.2816, 0.3096

Trichromacy



Original Color

35.5778, 0.3602, 0.5251

Protanomaly

34.8925, 0.4040, 0.4946

Deuteranomaly

34.5874, 0.4182, 0.4740

Tritanomaly

34.7147, 0.3160, 0.3933

Monochromacy



Original Color

35.5778, 0.3602, 0.5251

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

30.2629, 0.3387, 0.4087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.5778, 0.3602, 0.5251 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(125, 176, 42)` looks like.

```
.text, #text, p{  
    color:rgb(125, 176, 42)  
}
```

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(125, 176, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 176, 42) }
```

Border

The CSS property to change the border of an element to Yxy 35.5778, 0.3602, 0.5251 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(125, 176, 42) }
```

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

```
.border{ border-color:rgb(125, 176, 42) }
```

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

Here you see how a box with a 4 pixel rgb(125, 176, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 176, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 176, 42);  
box-shadow:4px 4px 4px 4px rgb(125, 176,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 35.5778, 0.3602, 0.5251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 176, 42) }
```

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

```
.background{ background-color: rgb(125,  
176, 42) }
```

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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