

Converting Colors

$Y_{xy}(23.5618, 0.3497, 0.5606)$

Have a look what the booklet for
Yxy(23.5618, 0.3497, 0.5606)
contains.

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Color

Yxy(23.5211, 0.3498, 0.5605)

Conversions

Conversions Part 1

Format	Color
Hex	579500
RGB	87, 149, 0
RGB Percent	34%, 58%, 0%
CMY	0.6587, 0.4157, 1.0000
CMYK	0.42, 0.00, 1.00, 0.42
HSL	85°, 100%, 29%
HSV	85°, 100%, 58%
XYZ	14.6792, 23.5211, 3.7642
YIQ	113.4760, 10.8770, -59.4830

Conversions

Conversions Part 2

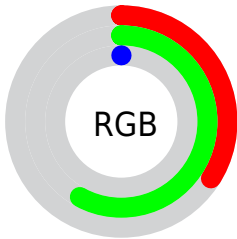
Format	Color
RYB	0, 149, 62
Decimal	5739776
CIELab	55.61, -40.38, 58.30
CIELCh	56, 70.923, 124.707
Yxy	23.5211, 0.3498, 0.5605
Android (android.graphics.Color)	4283929856 (0xFF579500)
YUV	113.4760, -55.9437, -23.2195
Hunter-Lab	48.4986, -30.8454, 29.3472

Details

The Yxy color **23.5211, 0.3498, 0.5605** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.1933, 0.1887, 0.0813**, and the grayscale version is **16.8323, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4676, 0.3506, 0.5097**, and **8.8106, 0.3179, 0.5858** is the 20% darker color. If you saturate the color by 10%, you get **23.5223, 0.3498, 0.5605**, and if you desaturate by 10%, it is **23.8678, 0.3535, 0.5489**.

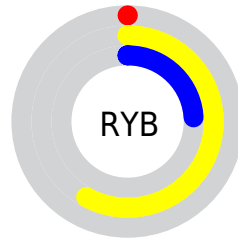
Distribution



Red (34%)

Green (58%)

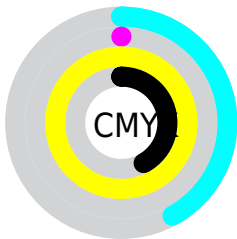
Blue (0%)



Red (0%)

Yellow (58%)

Blue (24%)

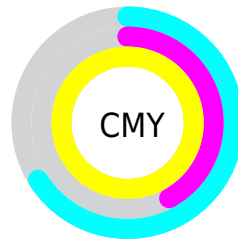


Cyan (42%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (66%)


Magenta (42%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5211, 0.3498, 0.5605 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 23.5211, 0.3498, 0.5605 by changing the saturation by 10% instead.


 23.5211, 0.3498,
0.5605


 23.5211, 0.3498,
0.5605


 270.3903, 0.3406,
0.4286


 14.9788, 0.3450,
0.5955


 49.2476, 0.3507,
0.5099


 8.8045, 0.3372,
0.6470


 67.2005, 0.3495,
0.4915

 4.6139, 0.3066,
0.6934

 89.0590, 0.3480,
0.4763

 2.0225, 0.2450,
0.7550

 115.2076, 0.3465,
0.4636

 0.6205, 0.0000,
1.0000


 146.0307, 0.3449,
0.4528


 0.0000, 0.0000,
0.0000


 181.9125, 0.3434,

0.4436


 223.2376, 0.3419,
0.4356

 23.5211, 0.3498,
0.5605


 23.5211, 0.3498,
0.5605


 23.5223, 0.3498,
0.5605

 23.8678, 0.3535,
0.5489

 24.2639, 0.3556,
0.5335

 24.7228, 0.3554,
0.5134

 25.2495, 0.3530,
0.4894

 25.8485, 0.3487,
0.4628

■ 26.5236, 0.3428,
0.4349

■ 27.2786, 0.3360,
0.4068

■ 28.1167, 0.3284,
0.3794

■ 29.0410, 0.3206,
0.3533

Harmonies

Analogous

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



23.5211, 0.4528, 0.5043



23.5211, 0.3498, 0.5605



23.5211, 0.2436, 0.5154

Triad

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



23.5211, 0.3498, 0.5605



23.5211, 0.1264, 0.1813



23.5211, 0.4760, 0.2698

Complementary

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



23.5211, 0.3498, 0.5605



3.1933, 0.1887, 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.



23.5211, 0.3505, 0.2093



23.5211, 0.3498, 0.5605



23.5211, 0.1611, 0.1603

Square

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



23.5211, 0.3498, 0.5605



23.5211, 0.1252, 0.2468



23.5211, 0.2350, 0.1710



23.5211, 0.5453, 0.3414

Rectangle

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



23.5211, 0.3498, 0.5605



23.5211, 0.1847, 0.4236



23.5211, 0.2350, 0.1710



23.5211, 0.4371, 0.2478

Sweetspot

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



23.5223, 0.3498, 0.5605



48.7659, 0.3364, 0.4085



9.5795, 0.5668, 0.3881



10.6903, 0.3391, 0.4191



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.5223, 0.3498, 0.5605



42.0178, 0.3485, 0.5615



21.5957, 0.3029, 0.5977



6.6256, 0.3199, 0.3513



19.8149, 0.3502, 0.5601



0.2599, 0.3816, 0.5352

Inverse Universe

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



3.1933, 0.1887, 0.0813



5.6183, 0.1868, 0.0802



7.2465, 0.2963, 0.1406



5.7437, 0.3050, 0.3066



2.7043, 0.1894, 0.0817



0.0497, 0.2393, 0.1092

Previews

White Background



This preview shows how the Yxy color 23.5211, 0.3498, 0.5605 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5211, 0.3498, 0.5605 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

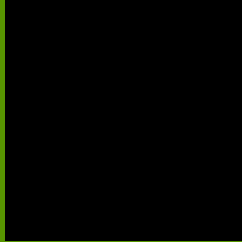
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5211, 0.3498, 0.5605

Background



This preview shows how black text looks on a background with the Yxy color 23.5211, 0.3498, 0.5605.



This preview shows how white text looks on a background with the Yxy color 23.5211, 0.3498, 0.5605.

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

23.5211, 0.3498, 0.5605

Protanopia

23.2591, 0.4404, 0.4885

Deuteranopia

23.2309, 0.4604, 0.4526



Tritanopia

23.3220, 0.2675, 0.3072

Trichromacy



Original Color

23.5211, 0.3498, 0.5605

Protanomaly

22.9773, 0.4046, 0.5169

Deuteranomaly

22.5005, 0.4196, 0.4937

Tritanomaly

22.7689, 0.3113, 0.4226

Monochromacy



Original Color

23.5211, 0.3498, 0.5605

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

18.3326, 0.3448, 0.4408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5211, 0.3498, 0.5605 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(87, 149, 0)` looks like.

```
.text, #text, p{  
    color:rgb(87, 149, 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(87, 149, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 149, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.5211, 0.3498, 0.5605 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(87, 149, 0) }
```

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

```
.border{ border-color:rgb(87, 149, 0) }
```

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

Here you see how a box with a 4 pixel rgb(87, 149, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 149, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 149, 0);  
box-shadow:4px 4px 4px 4px rgb(87, 149, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.5211, 0.3498, 0.5605 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 149, 0) }
```

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

```
.background{ background-color: rgb(87, 149,  
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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