

Converting Colors

$Y_{xy}(21.2250, 0.3607, 0.5439)$

Have a look what the booklet for
Yxy(21.2250, 0.3607, 0.5439)
contains.

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Color

Yxy(21.1649, 0.3611, 0.5433)

Conversions

Conversions Part 1

Format	Color
Hex	5E8C0D
RGB	94, 140, 13
RGB Percent	37%, 55%, 5%
CMY	0.6314, 0.4510, 0.9490
CMYK	0.33, 0.00, 0.91, 0.45
HSL	82°, 83%, 30%
HSV	82°, 91%, 55%
XYZ	14.0671, 21.1649, 3.7242
YIQ	111.7680, 13.3510, -49.2490

Conversions

Conversions Part 2

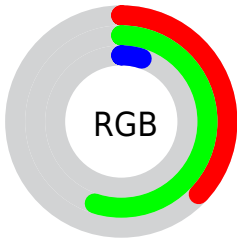
Format	Color
RYB	13, 140, 59
Decimal	6196237
CIELab	53.13, -33.49, 54.27
CIElCh	53, 63.771, 121.682
Yxy	21.1649, 0.3611, 0.5433
Android (android.graphics.Color)	4284386317 (0xFF5E8C0D)
YUV	111.7680, -48.6926, -15.5825
Hunter-Lab	46.0053, -25.9292, 27.4041

Details

The Yxy color **21.1649, 0.3611, 0.5433** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **3.1110, 0.1917, 0.0893**, and the grayscale version is **16.2747, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4542, 0.3587, 0.4958**, and **7.6162, 0.3364, 0.5711** is the 20% darker color. If you saturate the color by 10%, you get **20.8954, 0.3584, 0.5536**, and if you desaturate by 10%, it is **21.4929, 0.3625, 0.5290**.

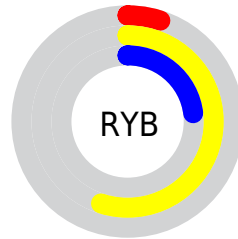
Distribution



Red (37%)

Green (55%)

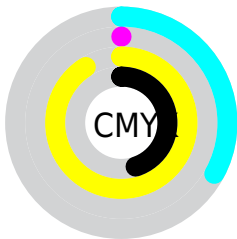
Blue (5%)



Red (5%)

Yellow (55%)

Blue (23%)

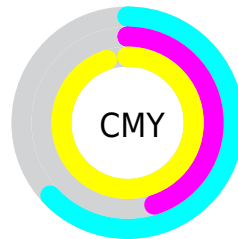


Cyan (33%)

Magenta (0%)

Yellow (91%)

Black (45%)



Cyan (63%)


Magenta (45%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1649, 0.3611, 0.5433 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 21.1649, 0.3611, 0.5433 by changing the saturation by 10% instead.

 21.1649, 0.3611,
0.5433


 21.1649, 0.3611,
0.5433


258.1535, 0.3437,
0.4202


 13.2446, 0.3591,
0.5766


 45.3618, 0.3583,
0.4956


 7.5972, 0.3559,
0.6276


 62.4072, 0.3560,
0.4784


 3.8383, 0.3285,
0.6715

 83.2631, 0.3536,
0.4643

 1.5835, 0.2626,
0.7374

 108.3138, 0.3513,
0.4525


 0.3465, 0.0000,
1.0000


 137.9439, 0.3491,
0.4425


 0.0000, 0.0000,
0.0000


 172.5376, 0.3471,

0.4340

 212.4793, 0.3453,
0.4266


 21.1649, 0.3611,
0.5433


 21.1649, 0.3611,
0.5433

 20.8954, 0.3584,
0.5536

 21.4929, 0.3625,
0.5290

 21.8687, 0.3616,
0.5101

 22.2976, 0.3585,
0.4874

 22.7832, 0.3534,
0.4619

 23.3287, 0.3467,
0.4350

■ 23.9370, 0.3390,
0.4076

■ 24.6108, 0.3307,
0.3807

■ 25.3527, 0.3220,
0.3549

■ 26.1651, 0.3133,
0.3307

Harmonies

Analogous

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



21.1649, 0.4567, 0.4896



21.1649, 0.3611, 0.5433



21.1649, 0.2592, 0.5101

Triad

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



21.1649, 0.3611, 0.5433



21.1649, 0.1337, 0.1940



21.1649, 0.4548, 0.2675

Complementary

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



21.1649, 0.3611, 0.5433



3.1110, 0.1917, 0.0893

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.



21.1649, 0.3365, 0.2109



21.1649, 0.3611, 0.5433



21.1649, 0.1640, 0.1693

Square

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



21.1649, 0.3611, 0.5433



21.1649, 0.1365, 0.2625



21.1649, 0.2310, 0.1765



21.1649, 0.5278, 0.3362

Rectangle

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



21.1649, 0.3611, 0.5433



21.1649, 0.2006, 0.4309



21.1649, 0.2310, 0.1765



21.1649, 0.4173, 0.2467

Sweetspot

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



21.1658, 0.3611, 0.5433



42.5616, 0.3364, 0.3990



8.5756, 0.5541, 0.3840



9.7286, 0.3389, 0.4071



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



21.1658, 0.3611, 0.5433



36.7454, 0.3572, 0.5546



19.0938, 0.3075, 0.5843



5.7559, 0.3206, 0.3510



18.5772, 0.3587, 0.5534



0.1317, 0.3872, 0.5308

Inverse Universe

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



3.1110, 0.1917, 0.0893



4.4817, 0.1788, 0.0758



6.2428, 0.2877, 0.1408



4.9747, 0.3043, 0.3068



2.3114, 0.1812, 0.0772



0.0231, 0.2296, 0.1039

Previews

White Background



This preview shows how the Yxy color 21.1649, 0.3611, 0.5433 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 21.1649, 0.3611, 0.5433 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

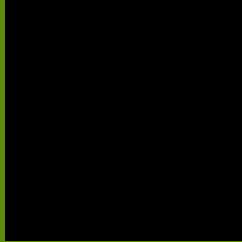
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1649, 0.3611, 0.5433

Background



This preview shows how black text looks on a background with the Yxy color 21.1649, 0.3611, 0.5433.



This preview shows how white text looks on a background with the Yxy color 21.1649, 0.3611, 0.5433.

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

21.1649, 0.3611, 0.5433

Protanopia

21.0315, 0.4385, 0.4867

Deuteranopia

20.8926, 0.4596, 0.4522



Tritanopia

21.0765, 0.2777, 0.3085

Trichromacy



Original Color

21.1649, 0.3611, 0.5433

Protanomaly

20.8822, 0.4083, 0.5088

Deuteranomaly

20.3915, 0.4229, 0.4862

Tritanomaly

20.7419, 0.3188, 0.4097

Monochromacy



Original Color

21.1649, 0.3611, 0.5433

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.4441, 0.3437, 0.4255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1649, 0.3611, 0.5433 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(94, 140, 13)` looks like.

```
.text, #text, p{  
    color:rgb(94, 140, 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(94, 140, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 140, 13) }
```

Border

The CSS property to change the border of an element to Yxy 21.1649, 0.3611, 0.5433 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(94, 140, 13) }
```

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

```
.border{ border-color:rgb(94, 140, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 140, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 140, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 140, 13);  
box-shadow:4px 4px 4px 4px rgb(94, 140,  
13) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1649, 0.3611, 0.5433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 140, 13) }
```

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

```
.background{ background-color: rgb(94, 140,  
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](#).

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