

Converting Colors

$Y_{xy}(23.1585, 0.3608, 0.5048)$

Have a look what the booklet for
Yxy(23.1585, 0.3608, 0.5048)
contains.

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Color

Yxy(23.0303, 0.3611, 0.5040)

Conversions

Conversions Part 1

Format	Color
Hex	6C8F2E
RGB	108, 143, 46
RGB Percent	42%, 56%, 18%
CMY	0.5765, 0.4392, 0.8194
CMYK	0.24, 0.00, 0.68, 0.44
HSL	82°, 51%, 37%
HSV	82°, 68%, 56%
XYZ	16.5005, 23.0303, 6.1643
YIQ	121.4770, 10.2770, -37.5870

Conversions

Conversions Part 2

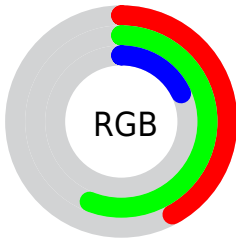
Format	Color
RYB	46, 143, 81
Decimal	7114542
CIELab	55.10, -27.55, 45.80
CIElCh	55, 53.447, 121.034
Yxy	23.0303, 0.3611, 0.5040
Android (android.graphics.Color)	4285304622 (0xFF6C8F2E)
YUV	121.4770, -37.2102, -11.8193
Hunter-Lab	47.9899, -22.6082, 25.9772

Details

The Yxy color **23.0303, 0.3611, 0.5040** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5.6917, 0.2243, 0.1368**, and the grayscale version is **19.4054, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4770, 0.3553, 0.4652**, and **8.4950, 0.3566, 0.5550** is the 20% darker color. If you saturate the color by 10%, you get **22.6225, 0.3627, 0.5241**, and if you desaturate by 10%, it is **23.4969, 0.3573, 0.4804**.

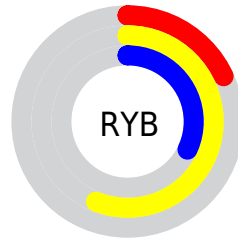
Distribution



Red (42%)

Green (56%)

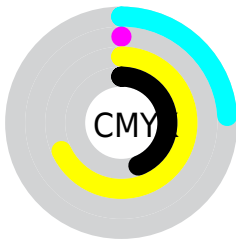
Blue (18%)



Red (18%)

Yellow (56%)

Blue (32%)

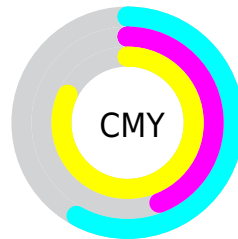


Cyan (24%)

Magenta (0%)

Yellow (68%)

Black (44%)



Cyan (58%)


Magenta (44%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0303, 0.3611, 0.5040 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 23.0303, 0.3611, 0.5040 by changing the saturation by 10% instead.


 23.0303, 0.3611,
0.5040


 23.0303, 0.3611,
0.5040


267.8806, 0.3400,
0.4039


 14.6159, 0.3631,
0.5322


 48.4431, 0.3552,
0.4648


 8.5503, 0.3623,
0.5691


 66.2102, 0.3523,
0.4509

 4.4490, 0.3640,
0.6360

 87.8637, 0.3497,
0.4395

 1.9278, 0.3228,
0.6772

 113.7880, 0.3473,
0.4300

 0.5650, 0.0000,
1.0000

 144.3674, 0.3452,
0.4219

 0.0000, 0.0000,
0.0000

 179.9864, 0.3433,

0.4150

221.0293, 0.3415,
0.4091

■ 23.0303, 0.3611,
0.5040

■ 23.0303, 0.3611,
0.5040

■ 22.6225, 0.3627,
0.5241

■ 23.4969, 0.3573,
0.4804

■ 22.2661, 0.3619,
0.5397

■ 24.0230, 0.3517,
0.4544

■ 21.9543, 0.3591,
0.5512

■ 24.6128, 0.3447,
0.4272

■ 21.8891, 0.3585,
0.5536

■ 25.2694, 0.3367,
0.3998

■ 25.9956, 0.3282,
0.3731

■ 26.7939, 0.3195,
0.3477

■ 27.6669, 0.3108,
0.3239

■ 28.6169, 0.3024,
0.3020

■ 29.6460, 0.2944,
0.2820

Harmonies

Analogous

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



23.0303, 0.4406, 0.4680



23.0303, 0.3611, 0.5040



23.0303, 0.2738, 0.4733

Triad

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



23.0303, 0.3611, 0.5040



23.0303, 0.1586, 0.2174



23.0303, 0.4273, 0.2776

Complementary

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



23.0303, 0.3611, 0.5040



5.6917, 0.2243, 0.1368

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.



23.0303, 0.3315, 0.2278



23.0303, 0.3611, 0.5040



23.0303, 0.1851, 0.1929

Square

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



23.0303, 0.3611, 0.5040



23.0303, 0.1631, 0.2789



23.0303, 0.2436, 0.1979



23.0303, 0.4892, 0.3389

Rectangle

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



23.0303, 0.3611, 0.5040



23.0303, 0.2227, 0.4131



23.0303, 0.2436, 0.1979



23.0303, 0.3969, 0.2592

Sweetspot

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



23.0313, 0.3611, 0.5040



46.1996, 0.3305, 0.3800



11.7714, 0.4809, 0.3854



10.5186, 0.3326, 0.3867



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



23.0313, 0.3611, 0.5040



40.1874, 0.3626, 0.5323



20.8222, 0.3132, 0.5339



6.1894, 0.3207, 0.3511



19.3655, 0.3588, 0.5533



0.1976, 0.3873, 0.5307

Inverse Universe

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



5.6917, 0.2243, 0.1368



6.9391, 0.2019, 0.1024



8.5652, 0.2962, 0.1702



5.3438, 0.3042, 0.3066



2.4012, 0.1809, 0.0770



0.0346, 0.2294, 0.1037

Previews

White Background



This preview shows how the Yxy color 23.0303, 0.3611, 0.5040 looks on a white background.

Color Contrast Check

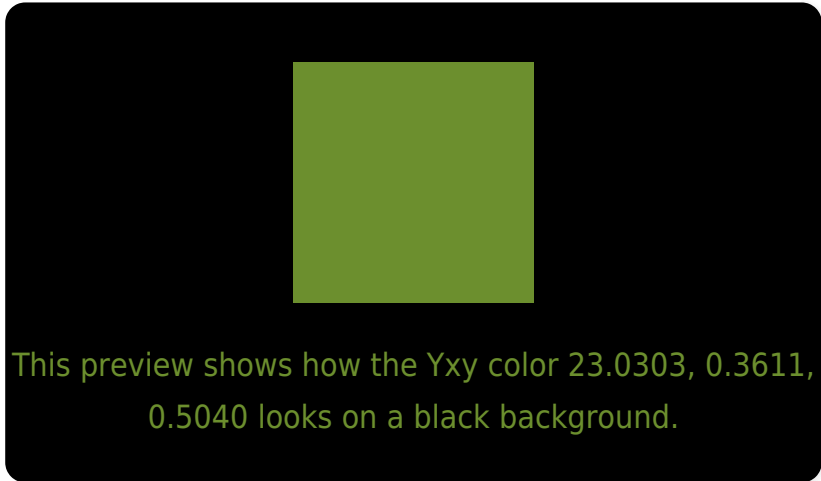
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

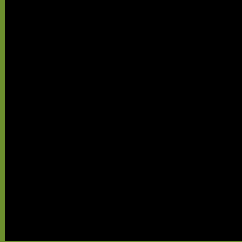
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.0303, 0.3611, 0.5040

Background



This preview shows how black text looks on a background with the Yxy color 23.0303, 0.3611, 0.5040.



This preview shows how white text looks on a background with the Yxy color 23.0303, 0.3611, 0.5040.

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

23.0303, 0.3611, 0.5040

Protanopia

22.8800, 0.4211, 0.4649

Deuteranopia

22.8077, 0.4431, 0.4345



Tritanopia

23.0569, 0.2876, 0.3113

Trichromacy



Original Color

23.0303, 0.3611, 0.5040

Protanomaly

22.7767, 0.3986, 0.4796

Deuteranomaly

22.6621, 0.4123, 0.4596

Tritanomaly

22.6870, 0.3190, 0.3838

Monochromacy



Original Color

23.0303, 0.3611, 0.5040

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.2217, 0.3355, 0.3974

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0303, 0.3611, 0.5040 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(108, 143, 46)` looks like.

```
.text, #text, p{  
    color:rgb(108, 143, 46)  
}
```

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(108, 143, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 143, 46) }
```

Border

The CSS property to change the border of an element to Yxy 23.0303, 0.3611, 0.5040 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(108, 143, 46) }
```

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

```
.border{ border-color:rgb(108, 143, 46) }
```

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

Here you see how a box with a 4 pixel rgb(108, 143, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 143, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 143, 46);  
box-shadow:4px 4px 4px 4px rgb(108, 143,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 23.0303, 0.3611, 0.5040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 143, 46) }
```

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

```
.background{ background-color: rgb(108,  
143, 46) }
```

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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