

Converting Colors

$Y_{xy}(12.8619, 0.3580, 0.5150)$

Have a look what the booklet for
Yxy(12.8619, 0.3580, 0.5150)
contains.

Yxy(12.8603, 0.3580, 0.5150)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.8603, 0.3580, 0.5150)

Conversions

Conversions Part 1

Format	Color
Hex	4E6E1D
RGB	78, 110, 29
RGB Percent	31%, 43%, 11%
CMY	0.6941, 0.5686, 0.8864
CMYK	0.29, 0.00, 0.74, 0.57
HSL	84°, 58%, 27%
HSV	84°, 74%, 43%
XYZ	8.9398, 12.8603, 3.1714
YIQ	91.1980, 6.9290, -31.9750

Conversions

Conversions Part 2

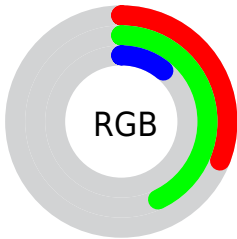
Format	Color
R_{YB}	29, 110, 61
Decimal	5139997
CIE Lab	42.55, -24.99, 39.42
CIE LCh	43, 46.672, 122.377
Yxy	12.8603, 0.3580, 0.5150
Android (android.graphics.Color)	4283330077 (0xFF4E6E1D)
YUV	91.1980, -30.6636, -11.5746
Hunter-Lab	35.8613, -18.2593, 19.8596

Details

The Yxy color **12.8603, 0.3580, 0.5150** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.9940, 0.2228, 0.1289**, and the grayscale version is **10.5792, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1365, 0.3528, 0.4674**, and **3.7213, 0.3432, 0.5657** is the 20% darker color. If you saturate the color by 10%, you get **12.6384, 0.3582, 0.5336**, and if you desaturate by 10%, it is **13.1149, 0.3557, 0.4927**.

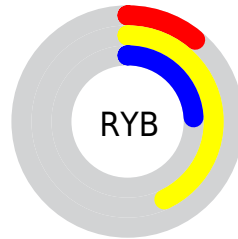
Distribution



 Red (31%)

 Green (43%)

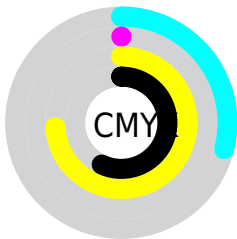
 Blue (11%)



 Red (11%)

 Yellow (43%)

 Blue (24%)

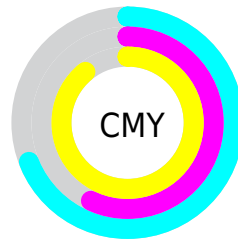


 Cyan (29%)

 Magenta (0%)

 Yellow (74%)

 Black (57%)



 Cyan (69%)

 Magenta (57%)

 Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8603, 0.3580, 0.5150 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 12.8603, 0.3580, 0.5150 by changing the saturation by 10% instead.


 12.8603, 0.3580,
0.5150


 12.8603, 0.3580,
0.5150

 210.0204, 0.3370,
0.3995


 7.3324, 0.3585,
0.5524


 31.0526, 0.3524,
0.4666


 3.6708, 0.3682,
0.6318

 44.4858, 0.3494,
0.4504


 1.4912, 0.3228,
0.6772


 61.3228, 0.3467,
0.4375

 0.2825, 0.0000,
1.0000


 81.9482, 0.3443,
0.4270


 0.0000, 0.0000,
0.0000


 106.7462, 0.3421,
0.4184

 136.1014, 0.3402,


0.4111

 170.3980, 0.3385,
0.4049


 12.8603, 0.3580,
0.5150

 12.8603, 0.3580,
0.5150

 12.6384, 0.3582,
0.5336


 13.1149, 0.3557,
0.4927


 12.4445, 0.3563,
0.5479

 13.4026, 0.3515,
0.4676

 12.3304, 0.3548,
0.5565

 13.7258, 0.3458,
0.4410

 14.0863, 0.3390,
0.4139

 14.4855, 0.3315,
0.3872

■ 14.9250, 0.3236,
0.3616

■ 15.4062, 0.3156,
0.3374

■ 15.9303, 0.3078,
0.3150

■ 16.4986, 0.3002,
0.2945

Harmonies

Analogous

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



12.8603, 0.4426, 0.4766



12.8603, 0.3580, 0.5150



12.8603, 0.2667, 0.4799

Triad

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



12.8603, 0.3580, 0.5150



12.8603, 0.1521, 0.2094



12.8603, 0.4381, 0.2772

Complementary

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



12.8603, 0.3580, 0.5150



2.9940, 0.2228, 0.1289

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.



12.8603, 0.3369, 0.2248



12.8603, 0.3580, 0.5150



12.8603, 0.1809, 0.1861

Square

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



12.8603, 0.3580, 0.5150



12.8603, 0.1550, 0.2713



12.8603, 0.2432, 0.1927



12.8603, 0.5009, 0.3410

Rectangle

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



12.8603, 0.3580, 0.5150



12.8603, 0.2141, 0.4135



12.8603, 0.2432, 0.1927



12.8603, 0.4062, 0.2580

Sweetspot

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



12.8609, 0.3580, 0.5150



25.5183, 0.3306, 0.3844



6.6388, 0.4889, 0.3925



5.9054, 0.3321, 0.3894



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.8609, 0.3580, 0.5150



21.9626, 0.3571, 0.5436



11.6610, 0.3099, 0.5465



3.8537, 0.3199, 0.3501



14.7951, 0.3542, 0.5569



73.1904, 0.3509, 0.5596

Inverse Universe

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



2.9940, 0.2228, 0.1289



3.5668, 0.2000, 0.0958



4.7438, 0.3004, 0.1663



3.3587, 0.3051, 0.3077



1.9644, 0.1873, 0.0805



9.3149, 0.1819, 0.0776

Previews

White Background



This preview shows how the Yxy color 12.8603, 0.3580, 0.5150 looks on a white background.

Color Contrast Check

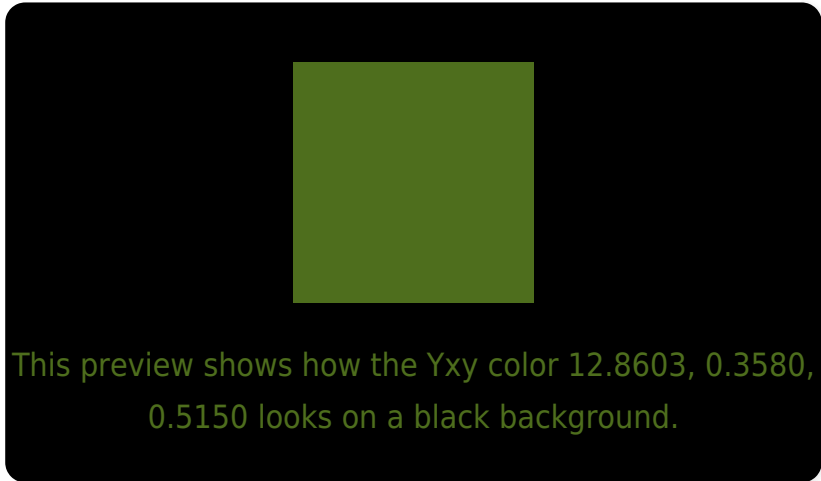
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

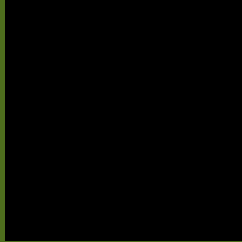
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8603, 0.3580, 0.5150

Background



This preview shows how black text looks on a background with the Yxy color 12.8603, 0.3580, 0.5150.



This preview shows how white text looks on a background with the Yxy color 12.8603, 0.3580, 0.5150.

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

12.8603, 0.3580, 0.5150

Protanopia

12.7042, 0.4260, 0.4679

Deuteranopia

12.6657, 0.4451, 0.4386



Tritanopia

12.9229, 0.2824, 0.3108

Trichromacy



Original Color

12.8603, 0.3580, 0.5150

Protanomaly

12.6938, 0.3989, 0.4862

Deuteranomaly

12.4123, 0.4129, 0.4652

Tritanomaly

12.7870, 0.3140, 0.3899

Monochromacy



Original Color

12.8603, 0.3580, 0.5150

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.1312, 0.3362, 0.4046

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8603, 0.3580, 0.5150 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(78, 110, 29)` looks like.

```
.text, #text, p{  
    color:rgb(78, 110, 29)  
}
```

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(78, 110, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 110, 29) }
```

Border

The CSS property to change the border of an element to Yxy 12.8603, 0.3580, 0.5150 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(78, 110, 29) }
```

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

```
.border{ border-color:rgb(78, 110, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 110, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 110, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 110, 29);  
box-shadow:4px 4px 4px 4px rgb(78, 110,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8603, 0.3580, 0.5150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 110, 29) }
```

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

```
.background{ background-color: rgb(78, 110,  
29) }
```

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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