

Converting Colors

$Yxy(28.5484, 0.3610, 0.5362)$

Have a look what the booklet for
Yxy(28.5484, 0.3610, 0.5362)
contains.

Yxy(28.5312, 0.3607, 0.5364)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.5312, 0.3607, 0.5364)

Conversions

Conversions Part 1

Format	Color
Hex	6EA01A
RGB	110, 160, 26
RGB Percent	43%, 63%, 10%
CMY	0.5687, 0.3725, 0.8980
CMYK	0.31, 0.00, 0.84, 0.37
HSL	82°, 72%, 36%
HSV	82°, 84%, 63%
XYZ	19.1857, 28.5312, 5.4733
YIQ	129.7740, 13.2140, -52.2740

Conversions

Conversions Part 2

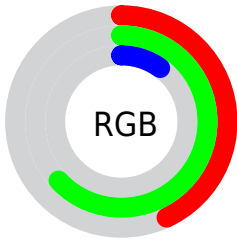
Format	Color
R _Y B	26, 160, 76
Decimal	7249946
CIE Lab	60.37, -35.86, 57.85
CIE LCh	60, 68.065, 121.792
Yxy	28.5312, 0.3607, 0.5364
Android (android.graphics.Color)	4285440026 (0xFF6EA01A)
YUV	129.7740, -51.1606, -17.3418
Hunter-Lab	53.4146, -29.3612, 31.3149

Details

The Yxy color **28.5312, 0.3607, 0.5364** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.8156, 0.2012, 0.0999**, and the grayscale version is **22.4192, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3480, 0.3581, 0.4934**, and **11.5373, 0.3412, 0.5673** is the 20% darker color. If you saturate the color by 10%, you get **28.1095, 0.3582, 0.5491**, and if you desaturate by 10%, it is **29.0212, 0.3609, 0.5188**.

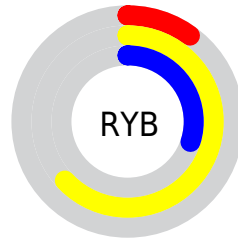
Distribution



Red (43%)

Green (63%)

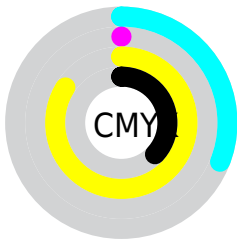
Blue (10%)



Red (10%)

Yellow (63%)

Blue (30%)

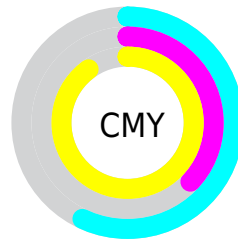


Cyan (31%)

Magenta (0%)

Yellow (84%)

Black (37%)



Cyan (57%)


Magenta (37%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5312, 0.3607, 0.5364 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 28.5312, 0.3607, 0.5364 by changing the saturation by 10% instead.


 28.5312, 0.3607,
0.5364


 28.5312, 0.3607,
0.5364


294.9966, 0.3440,
0.4221


 18.7265, 0.3598,
0.5658


 57.3314, 0.3577,
0.4935


 11.4728, 0.3546,
0.6023


 77.0957, 0.3556,
0.4776

 6.3858, 0.3443,
0.6557


 100.9486, 0.3533,
0.4644

 3.0811, 0.3036,
0.6964

 129.2746, 0.3512,
0.4533

 1.1742, 0.1550,
0.8450

 162.4579, 0.3492,
0.4437

 0.0405, 0.0000,
1.0000

 200.8831, 0.3473,

 0.0000, 0.0000,

0.4355

0.0000

244.9345, 0.3456,
0.4284

■ 28.5312, 0.3607,
0.5364

■ 28.5312, 0.3607,
0.5364

■ 28.1095, 0.3582,
0.5491

■ 29.0212, 0.3609,
0.5188

■ 27.8689, 0.3560,
0.5556

■ 29.5820, 0.3587,
0.4970

■ 30.2203, 0.3544,
0.4719

■ 30.9406, 0.3484,
0.4449

■ 31.7474, 0.3411,
0.4171

■ 32.6444, 0.3330,
0.3896

■ 33.6354, 0.3245,
0.3630

■ 34.7237, 0.3159,
0.3379

■ 35.9124, 0.3075,
0.3147

Harmonies

Analogous

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



28.5312, 0.4536, 0.4866



28.5312, 0.3607, 0.5364



28.5312, 0.2613, 0.5026

Triad

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



28.5312, 0.3607, 0.5364



28.5312, 0.1381, 0.1978



28.5312, 0.4505, 0.2698

Complementary

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



28.5312, 0.3607, 0.5364



4.8156, 0.2012, 0.0999

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.



28.5312, 0.3364, 0.2142



28.5312, 0.3607, 0.5364



28.5312, 0.1680, 0.1734

Square

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



28.5312, 0.3607, 0.5364



28.5312, 0.1410, 0.2649



28.5312, 0.2338, 0.1804



28.5312, 0.5211, 0.3373

Rectangle

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



28.5312, 0.3607, 0.5364



28.5312, 0.2041, 0.4268



28.5312, 0.2338, 0.1804



28.5312, 0.4144, 0.2494

Sweetspot

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



28.5325, 0.3607, 0.5364



58.9719, 0.3345, 0.3943



12.6004, 0.5326, 0.3899



12.8140, 0.3372, 0.4033



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.5325, 0.3607, 0.5364



50.4778, 0.3548, 0.5564



25.7516, 0.3081, 0.5753



7.5965, 0.3206, 0.3515



21.7328, 0.3565, 0.5551



0.4121, 0.3827, 0.5343

Inverse Universe

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



4.8156, 0.2012, 0.0999



6.2310, 0.1795, 0.0763



9.0408, 0.2934, 0.1482



6.5499, 0.3043, 0.3063



2.7426, 0.1823, 0.0778



0.0722, 0.2281, 0.1030

Previews

White Background



This preview shows how the Yxy color 28.5312, 0.3607, 0.5364 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 28.5312, 0.3607, 0.5364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

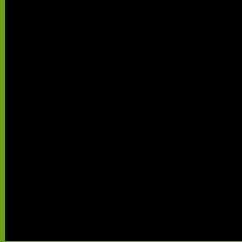
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5312, 0.3607, 0.5364

Background



This preview shows how black text looks on a background with the Yxy color 28.5312, 0.3607, 0.5364.



This preview shows how white text looks on a background with the Yxy color 28.5312, 0.3607, 0.5364.

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

28.5312, 0.3607, 0.5364

Protanopia

28.0953, 0.4351, 0.4818

Deuteranopia

28.2685, 0.4572, 0.4496



Tritanopia

28.4281, 0.2789, 0.3093

Trichromacy



Original Color

28.5312, 0.3607, 0.5364

Protanomaly

27.8038, 0.4076, 0.5023

Deuteranomaly

27.7412, 0.4214, 0.4816

Tritanomaly

27.9454, 0.3171, 0.4017

Monochromacy



Original Color

28.5312, 0.3607, 0.5364

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.0334, 0.3420, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5312, 0.3607, 0.5364 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(110, 160, 26)` looks like.

```
.text, #text, p{  
    color:rgb(110, 160, 26)  
}
```

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(110, 160, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 160, 26) }
```

Border

The CSS property to change the border of an element to Yxy 28.5312, 0.3607, 0.5364 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(110, 160, 26) }
```

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

```
.border{ border-color:rgb(110, 160, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 160, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 160, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 160, 26);  
box-shadow:4px 4px 4px 4px rgb(110, 160,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5312, 0.3607, 0.5364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 160, 26) }
```

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

```
.background{ background-color: rgb(110,  
160, 26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor