

Converting Colors

$Y_{xy}(28.5710, 0.3591, 0.5375)$

Have a look what the booklet for
Yxy(28.5710, 0.3591, 0.5375)
contains.

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Color

Yxy(28.4674, 0.3597, 0.5371)

Conversions

Conversions Part 1

Format	Color
Hex	6DA01A
RGB	109, 160, 26
RGB Percent	43%, 63%, 10%
CMY	0.5725, 0.3725, 0.8978
CMYK	0.32, 0.00, 0.84, 0.37
HSL	83°, 72%, 36%
HSV	83°, 84%, 63%
XYZ	19.0648, 28.4674, 5.4698
YIQ	129.4750, 12.6180, -52.4860

Conversions

Conversions Part 2

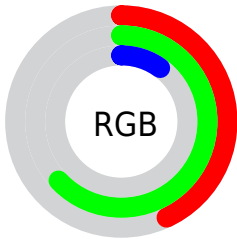
Format	Color
R_{YB}	26, 160, 77
Decimal	7184410
CIE _{Lab}	60.31, -36.23, 57.77
CIE _{LCh}	60, 68.192, 122.094
Yxy	28.4674, 0.3597, 0.5371
Android (android.graphics.Color)	4285374490 (0xFF6DA01A)
YUV	129.4750, -51.0132, -17.9566
Hunter-Lab	53.3548, -29.5891, 31.2701

Details

The Yxy color **28.4674, 0.3597, 0.5371** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.8590, 0.2024, 0.1006**, and the grayscale version is **22.3110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.2403, 0.3573, 0.4938**, and **11.5094, 0.3399, 0.5683** is the 20% darker color. If you saturate the color by 10%, you get **28.0428, 0.3571, 0.5499**, and if you desaturate by 10%, it is **28.9612, 0.3600, 0.5194**.

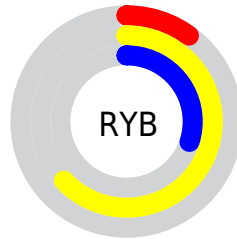
Distribution



Red (43%)

Green (63%)

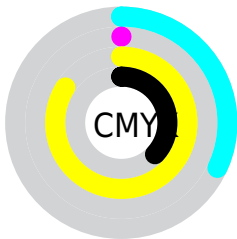
Blue (10%)



Red (10%)

Yellow (63%)

Blue (30%)

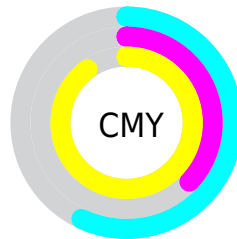


Cyan (32%)

Magenta (0%)

Yellow (84%)

Black (37%)



Cyan (57%)

Magenta (37%)

Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4674, 0.3597, 0.5371 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 28.4674, 0.3597, 0.5371 by changing the saturation by 10% instead.


 28.4674, 0.3597,
0.5371


 28.4674, 0.3597,
0.5371


294.6936, 0.3436,
0.4223


 18.6783, 0.3586,
0.5667


 57.2298, 0.3570,
0.4939


 11.4381, 0.3532,
0.6035


 76.9719, 0.3549,
0.4780

 6.3623, 0.3426,
0.6574


 100.8004, 0.3527,
0.4647

 3.0666, 0.3014,
0.6986

 129.0998, 0.3506,
0.4535

 1.1666, 0.1465,
0.8535

 162.2544, 0.3486,
0.4440

 0.0342, 0.0000,
1.0000

 200.6487, 0.3468,

 0.0000, 0.0000,

0.4358

0.0000

244.6669, 0.3451,
0.4286

■ 28.4674, 0.3597,
0.5371

■ 28.4674, 0.3597,
0.5371

■ 28.0428, 0.3571,
0.5499

■ 28.9612, 0.3600,
0.5194

■ 27.7999, 0.3548,
0.5565

■ 29.5269, 0.3579,
0.4974

■ 30.1709, 0.3538,
0.4722

■ 30.8982, 0.3479,
0.4451

■ 31.7129, 0.3407,
0.4172

■ 32.6189, 0.3327,
0.3895

■ 33.6201, 0.3243,
0.3629

■ 34.7196, 0.3158,
0.3379

■ 35.9209, 0.3075,
0.3146

Harmonies

Analogous

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



28.4674, 0.4530, 0.4876



28.4674, 0.3597, 0.5371



28.4674, 0.2601, 0.5022

Triad

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



28.4674, 0.3597, 0.5371



28.4674, 0.1379, 0.1971



28.4674, 0.4519, 0.2703

Complementary

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



28.4674, 0.3597, 0.5371



4.8590, 0.2024, 0.1006

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.



28.4674, 0.3376, 0.2144



28.4674, 0.3597, 0.5371



28.4674, 0.1682, 0.1730

Square

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



28.4674, 0.3597, 0.5371



28.4674, 0.1404, 0.2638



28.4674, 0.2345, 0.1803



28.4674, 0.5220, 0.3380

Rectangle

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



28.4674, 0.3597, 0.5371



28.4674, 0.2030, 0.4257



28.4674, 0.2345, 0.1803



28.4674, 0.4158, 0.2498

Sweetspot

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



28.4687, 0.3597, 0.5371



58.9226, 0.3342, 0.3944



12.6034, 0.5325, 0.3899



12.8020, 0.3368, 0.4034



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.



28.4687, 0.3597, 0.5371



50.3558, 0.3537, 0.5574



25.7506, 0.3081, 0.5752



7.5941, 0.3205, 0.3515



21.6809, 0.3554, 0.5560



0.4113, 0.3820, 0.5349

Inverse Universe

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



4.8590, 0.2024, 0.1006



6.2968, 0.1806, 0.0769



9.0425, 0.2934, 0.1482



6.5522, 0.3044, 0.3063



2.7715, 0.1834, 0.0784



0.0729, 0.2294, 0.1037

Previews

White Background



This preview shows how the Yxy color 28.4674, 0.3597, 0.5371 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 28.4674, 0.3597, 0.5371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

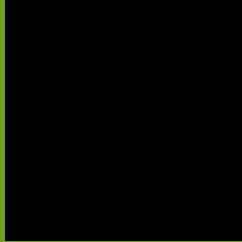
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4674, 0.3597, 0.5371

Background



This preview shows how black text looks on a background with the Yxy color 28.4674, 0.3597, 0.5371.



This preview shows how white text looks on a background with the Yxy color 28.4674, 0.3597, 0.5371.

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

28.4674, 0.3597, 0.5371

Protanopia

28.0953, 0.4351, 0.4818

Deuteranopia

27.9829, 0.4584, 0.4484



Tritanopia

28.4281, 0.2789, 0.3093

Trichromacy



Original Color

28.4674, 0.3597, 0.5371

Protanomaly

27.7142, 0.4065, 0.5031

Deuteranomaly

27.3349, 0.4214, 0.4813

Tritanomaly

27.8743, 0.3161, 0.4019

Monochromacy



Original Color

28.4674, 0.3597, 0.5371

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.6664, 0.3412, 0.4176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4674, 0.3597, 0.5371 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(109, 160, 26)` looks like.

```
.text, #text, p{  
    color:rgb(109, 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(109, 160, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 160, 26) }
```

Border

The CSS property to change the border of an element to Yxy 28.4674, 0.3597, 0.5371 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(109, 160, 26) }
```

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

```
.border{ border-color:rgb(109, 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(109, 160, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 160, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 160, 26);  
box-shadow:4px 4px 4px 4px rgb(109, 160,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4674, 0.3597, 0.5371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 160, 26) }
```

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

```
.background{ background-color: rgb(109,  
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](#).

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