

Converting Colors

$Yxy(28.4576, 0.3448, 0.5644)$

Have a look what the booklet for
Yxy(28.4576, 0.3448, 0.5644)
contains.

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Color

Yxy(28.3680, 0.3446, 0.5646)

Conversions

Conversions Part 1

Format	Color
Hex	5AA300
RGB	90, 163, 0
RGB Percent	35%, 64%, 0%
CMY	0.6470, 0.3608, 1.0000
CMYK	0.45, 0.00, 1.00, 0.36
HSL	87°, 100%, 32%
HSV	87°, 100%, 64%
XYZ	17.3142, 28.3680, 4.5622
YIQ	122.5910, 8.8150, -66.1690

Conversions

Conversions Part 2

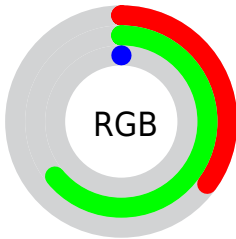
Format	Color
RYB	0, 163, 73
Decimal	5939968
CIELab	60.22, -45.10, 61.95
CIELCh	60, 76.623, 126.053
Yxy	28.3680, 0.3446, 0.5646
Android (android.graphics.Color)	4284130048 (0xFF5AA300)
YUV	122.5910, -60.4374, -28.5823
Hunter-Lab	53.2616, -35.1813, 32.2046

Details

The Yxy color **28.3680, 0.3446, 0.5646** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4.0606, 0.1935, 0.0840**, and the grayscale version is **19.8674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3471, 0.3467, 0.5155**, and **11.3987, 0.3132, 0.5896** is the 20% darker color. If you saturate the color by 10%, you get **28.3693, 0.3446, 0.5646**, and if you desaturate by 10%, it is **28.7918, 0.3488, 0.5532**.

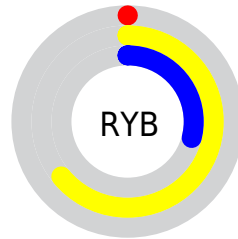
Distribution



Red (35%)

Green (64%)

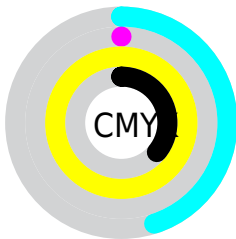
Blue (0%)



Red (0%)

Yellow (64%)

Blue (29%)

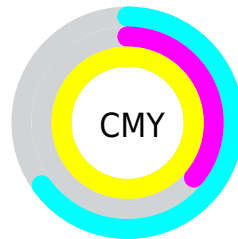


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (65%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3680, 0.3446, 0.5646 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 28.3680, 0.3446, 0.5646 by changing the saturation by 10% instead.


 28.3680, 0.3446,
0.5646


 28.3680, 0.3446,
0.5646


294.2212, 0.3391,
0.4336

 18.6032, 0.3394,
0.5982

 57.0714, 0.3467,
0.5153

 11.3839, 0.3289,
0.6419

 76.7789, 0.3461,
0.4970

 6.3257, 0.3056,
0.6944


 100.5694, 0.3451,
0.4819

 3.0441, 0.2548,
0.7452

 128.8273, 0.3439,
0.4691

 1.1548, 0.0000,
1.0000

 161.9371, 0.3427,
0.4582

 0.0243, 0.0000,
1.0000


 200.2831, 0.3414,


 0.0000, 0.0000,


0.4488

0.0000

 244.2496, 0.3402,
0.4407

 28.3680, 0.3446,
0.5646


 28.3680, 0.3446,
0.5646


 28.3693, 0.3446,
0.5646

 28.7918, 0.3488,
0.5532

 29.2823, 0.3514,
0.5375

 29.8547, 0.3518,
0.5169

 30.5157, 0.3500,
0.4923

 31.2709, 0.3462,
0.4650

■ 32.1255, 0.3409,
0.4365

■ 33.0842, 0.3346,
0.4078

■ 34.1512, 0.3275,
0.3799

■ 35.3306, 0.3201,
0.3535

Harmonies

Analogous

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



28.3680, 0.4494, 0.5095



28.3680, 0.3446, 0.5646



28.3680, 0.2378, 0.5135

Triad

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



28.3680, 0.3446, 0.5646



28.3680, 0.1253, 0.1777



28.3680, 0.4833, 0.2720

Complementary

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



28.3680, 0.3446, 0.5646



4.0606, 0.1935, 0.0840

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.



28.3680, 0.3568, 0.2102



28.3680, 0.3446, 0.5646



28.3680, 0.1619, 0.1583

Square

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



28.3680, 0.3446, 0.5646



28.3680, 0.1225, 0.2412



28.3680, 0.2383, 0.1705



28.3680, 0.5495, 0.3443

Rectangle

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



28.3680, 0.3446, 0.5646



28.3680, 0.1795, 0.4180



28.3680, 0.2383, 0.1705



28.3680, 0.4445, 0.2497

Sweetspot

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



28.3693, 0.3446, 0.5646



59.1491, 0.3349, 0.4094



12.2468, 0.5586, 0.3947



13.1257, 0.3376, 0.4208



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.3693, 0.3446, 0.5646



50.6853, 0.3434, 0.5655



26.2654, 0.3017, 0.5987



8.0787, 0.3196, 0.3517



22.0748, 0.3452, 0.5641



0.4914, 0.3724, 0.5425

Inverse Universe

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



4.0606, 0.1935, 0.0840



7.1568, 0.1917, 0.0830



9.3329, 0.3044, 0.1451



7.0079, 0.3054, 0.3063



3.1820, 0.1944, 0.0845



0.0948, 0.2375, 0.1082

Previews

White Background



This preview shows how the Yxy color 28.3680, 0.3446, 0.5646 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 28.3680, 0.3446, 0.5646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

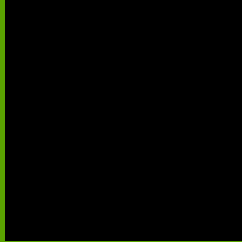
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3680, 0.3446, 0.5646

Background



This preview shows how black text looks on a background with the Yxy color 28.3680, 0.3446, 0.5646.



This preview shows how white text looks on a background with the Yxy color 28.3680, 0.3446, 0.5646.

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

28.3680, 0.3446, 0.5646

Protanopia

28.0373, 0.4399, 0.4889

Deuteranopia

27.9462, 0.4614, 0.4523



Tritanopia

28.4518, 0.2644, 0.3088

Trichromacy



Original Color

28.3680, 0.3446, 0.5646

Protanomaly

27.6907, 0.4012, 0.5196

Deuteranomaly

27.0015, 0.4183, 0.4952

Tritanomaly

27.6600, 0.3073, 0.4254

Monochromacy



Original Color

28.3680, 0.3446, 0.5646

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

22.1065, 0.3424, 0.4448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3680, 0.3446, 0.5646 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(90, 163, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 163, 0)  
}
```

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(90, 163, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 163, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.3680, 0.3446, 0.5646 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(90, 163, 0) }
```

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

```
.border{ border-color:rgb(90, 163, 0) }
```

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

Here you see how a box with a 4 pixel rgb(90, 163, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 163, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 163, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 163, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.3680, 0.3446, 0.5646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 163, 0) }
```

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

```
.background{ background-color: rgb(90, 163,  
0) }
```

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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