

Converting Colors

$Y_{xy}(28.3344, 0.3247, 0.5804)$

Have a look what the booklet for
Yxy(28.3344, 0.3247, 0.5804)
contains.

Yxy(28.4307, 0.3244, 0.5806)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.4307, 0.3244, 0.5806)

Conversions

Conversions Part 1

Format	Color
Hex	42A600
RGB	66, 166, 0
RGB Percent	26%, 65%, 0%
CMY	0.7410, 0.3490, 0.9997
CMYK	0.60, 0.00, 1.00, 0.35
HSL	96°, 100%, 33%
HSV	96°, 100%, 65%
XYZ	15.8852, 28.4307, 4.6519
YIQ	117.1760, -6.3140, -72.8260

Conversions

Conversions Part 2

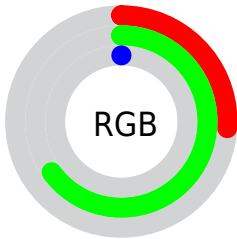
Format	Color
R_{YB}	0, 166, 100
Decimal	4367872
CIE _{Lab}	60.28, -53.36, 61.59
CIE _{LCh}	60, 81.492, 130.904
Yxy	28.4307, 0.3244, 0.5806
Android (android.graphics.Color)	4282557952 (0xFF42A600)
YUV	117.1760, -57.7678, -44.8814
Hunter-Lab	53.3204, -40.1323, 32.1516

Details

The Yxy color **28.4307, 0.3244, 0.5806** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.4655, 0.2244, 0.1010**, and the grayscale version is **18.0370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1592, 0.3310, 0.5267**, and **11.8103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.4304, 0.3244, 0.5806**, and if you desaturate by 10%, it is **28.8497, 0.3293, 0.5682**.

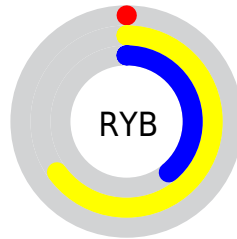
Distribution



Red (26%)

Green (65%)

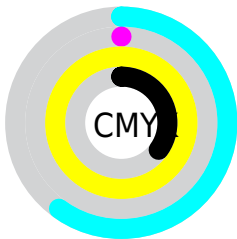
Blue (0%)



Red (0%)

Yellow (65%)

Blue (39%)

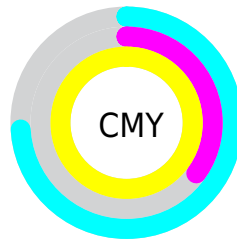


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (74%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4307, 0.3244, 0.5806 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 28.4307, 0.3244, 0.5806 by changing the saturation by 10% instead.


 28.4307, 0.3244,
0.5806

 28.4307, 0.3244,
0.5806


294.5193, 0.3304,
0.4385

 18.6506, 0.3160,
0.6181


 57.1713, 0.3311,
0.5264


 11.4181, 0.3009,
0.6670


 76.9007, 0.3321,
0.5066


 6.3488, 0.2720,
0.7280


 100.7152, 0.3324,
0.4902

 3.0583, 0.2136,
0.7864

 128.9992, 0.3323,
0.4764

 1.1622, 0.0000,
1.0000

 162.1373, 0.3320,
0.4648


 0.0305, 0.0000,
1.0000

 200.5137, 0.3315,


 0.0000, 0.0000,


0.4547


0.0000

 244.5129, 0.3310,
0.4461


 28.4307, 0.3244,
0.5806


 28.4307, 0.3244,
0.5806


 28.4304, 0.3244,
0.5806

 28.8497, 0.3293,
0.5682

 29.3638, 0.3331,
0.5508

 29.9902, 0.3351,
0.5279

 30.7376, 0.3352,
0.5007

 31.6134, 0.3337,
0.4709

■ 32.6244, 0.3309,
0.4401

■ 33.7769, 0.3271,
0.4097

■ 35.0766, 0.3226,
0.3807

■ 36.5289, 0.3177,
0.3536

Harmonies

Analogous

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



28.4307, 0.4358, 0.5296



28.4307, 0.3244, 0.5806



28.4307, 0.2157, 0.5054

Triad

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



28.4307, 0.3244, 0.5806



28.4307, 0.1213, 0.1645



28.4307, 0.5109, 0.2796

Complementary

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



28.4307, 0.3244, 0.5806



5.4655, 0.2244, 0.1010

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.



28.4307, 0.3817, 0.2136



28.4307, 0.3244, 0.5806



28.4307, 0.1647, 0.1510

Square

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



28.4307, 0.3244, 0.5806



28.4307, 0.1125, 0.2205



28.4307, 0.2513, 0.1684



28.4307, 0.5643, 0.3547

Rectangle

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



28.4307, 0.3244, 0.5806



28.4307, 0.1601, 0.3960



28.4307, 0.2513, 0.1684



28.4307, 0.4730, 0.2561

Sweetspot

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



28.4319, 0.3244, 0.5806



61.1700, 0.3273, 0.4115



17.1499, 0.5108, 0.4326



13.4932, 0.3289, 0.4237



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



28.4319, 0.3244, 0.5806



51.4837, 0.3231, 0.5816



27.3120, 0.2979, 0.5923



8.5478, 0.3174, 0.3519



22.0722, 0.3250, 0.5801



0.5669, 0.3531, 0.5579

Inverse Universe

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



5.4655, 0.2244, 0.1010



9.7882, 0.2228, 0.1001



10.2913, 0.3476, 0.1689



7.5156, 0.3077, 0.3063



4.2637, 0.2252, 0.1014



0.1322, 0.2575, 0.1192

Previews

White Background



This preview shows how the Yxy color 28.4307, 0.3244, 0.5806 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 28.4307, 0.3244, 0.5806 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 28.4307, 0.3244, 0.5806

Background



This preview shows how black text looks on a background with the Yxy color 28.4307, 0.3244, 0.5806.



This preview shows how white text looks on a background with the Yxy color 28.4307, 0.3244, 0.5806.

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

28.4307, 0.3244, 0.5806

Protanopia

28.0373, 0.4399, 0.4889

Deuteranopia

27.9578, 0.4605, 0.4511



Tritanopia

28.2284, 0.2503, 0.3066

Trichromacy



Original Color

28.4307, 0.3244, 0.5806



Protanomaly

27.3717, 0.3912, 0.5276



Deuteranomaly

26.8132, 0.4054, 0.5044



Tritanomaly

27.3333, 0.2889, 0.4293

Monochromacy



Original Color

28.4307, 0.3244, 0.5806



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.4190, 0.3320, 0.4539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4307, 0.3244, 0.5806 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(66, 166, 0)` looks like.

```
.text, #text, p{  
    color:rgb(66, 166, 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(66, 166, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 166, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.4307, 0.3244, 0.5806 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(66, 166, 0) }
```

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

```
.border{ border-color:rgb(66, 166, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 166, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 166, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 166, 0);  
box-shadow:4px 4px 4px 4px rgb(66, 166, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.4307, 0.3244, 0.5806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 166, 0) }
```

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

```
.background{ background-color: rgb(66, 166,  
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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