

Converting Colors

$Y_{xy}(28.6166, 0.3206, 0.5836)$

Have a look what the booklet for
Yxy(28.6166, 0.3206, 0.5836)
contains.

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Color

Yxy(28.6295, 0.3208, 0.5835)

Conversions

Conversions Part 1

Format	Color
Hex	3DA700
RGB	61, 167, 0
RGB Percent	24%, 65%, 0%
CMY	0.7610, 0.3451, 1.0000
CMYK	0.64, 0.00, 1.00, 0.35
HSL	98°, 100%, 33%
HSV	98°, 100%, 65%
XYZ	15.7401, 28.6295, 4.6955
YIQ	116.2680, -9.5690, -74.4090

Conversions

Conversions Part 2

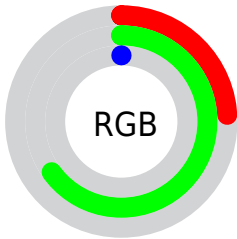
Format	Color
RYB	0, 167, 106
Decimal	4040448
CIELab	60.45, -54.97, 61.68
CIELCh	60, 82.618, 131.705
Yxy	28.6295, 0.3208, 0.5835
Android (android.graphics.Color)	4282230528 (0xFF3DA700)
YUV	116.2680, -57.3201, -48.4700
Hunter-Lab	53.5065, -41.1269, 32.2515

Details

The Yxy color **28.6295, 0.3208, 0.5835** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.8590, 0.2317, 0.1050**, and the grayscale version is **17.7289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3940, 0.3282, 0.5289**, and **12.0346, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **28.6307, 0.3208, 0.5835**, and if you desaturate by 10%, it is **29.0404, 0.3256, 0.5711**.

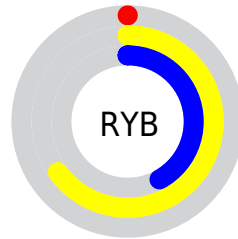
Distribution



Red (24%)

Green (65%)

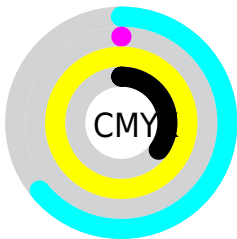
Blue (0%)



Red (0%)

Yellow (65%)

Blue (42%)

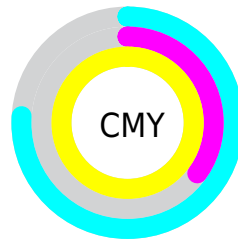


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (76%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6295, 0.3208, 0.5835 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 28.6295, 0.3208, 0.5835 by changing the saturation by 10% instead.


 28.6295, 0.3208,
0.5835


 28.6295, 0.3208,
0.5835


295.4628, 0.3289,
0.4395


 18.8007, 0.3118,
0.6216


 57.4879, 0.3283,
0.5285

 11.5264, 0.2959,
0.6712


 77.2863, 0.3296,
0.5084

 6.4221, 0.2663,
0.7337


 101.1768, 0.3301,
0.4918

 3.1034, 0.2071,
0.7929

 129.5436, 0.3302,
0.4779

 1.1859, 0.0000,
1.0000

 162.7712, 0.3301,
0.4661


 0.0502, 0.0000,
1.0000


 201.2440, 0.3297,


 0.0000, 0.0000,

0.4560


0.0000


 245.3464, 0.3294,
0.4472

 28.6295, 0.3208,
0.5835


 28.6295, 0.3208,
0.5835


 28.6307, 0.3208,
0.5835

 29.0404, 0.3256,
0.5711

 29.5533, 0.3295,
0.5535

 30.1864, 0.3317,
0.5302

 30.9488, 0.3323,
0.5025

 31.8486, 0.3312,
0.4722

■ 32.8932, 0.3288,
0.4410

■ 34.0893, 0.3255,
0.4103

■ 35.4431, 0.3215,
0.3810

■ 36.9607, 0.3172,
0.3538

Harmonies

Analogous

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



28.6295, 0.4333, 0.5332



28.6295, 0.3208, 0.5835



28.6295, 0.2118, 0.5038

Triad

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



28.6295, 0.3208, 0.5835



28.6295, 0.1206, 0.1623



28.6295, 0.5158, 0.2809

Complementary

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



28.6295, 0.3208, 0.5835



5.8590, 0.2317, 0.1050

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.



28.6295, 0.3862, 0.2141



28.6295, 0.3208, 0.5835



28.6295, 0.1652, 0.1497

Square

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



28.6295, 0.3208, 0.5835



28.6295, 0.1108, 0.2170



28.6295, 0.2536, 0.1680



28.6295, 0.5667, 0.3564

Rectangle

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



28.6295, 0.3208, 0.5835



28.6295, 0.1568, 0.3920



28.6295, 0.2536, 0.1680



28.6295, 0.4781, 0.2572

Sweetspot

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



28.6307, 0.3208, 0.5835



60.9211, 0.3257, 0.4119



18.4777, 0.5016, 0.4399



13.4325, 0.3271, 0.4243



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.



28.6307, 0.3208, 0.5835



51.1628, 0.3196, 0.5844



27.6997, 0.2969, 0.5887



8.5360, 0.3169, 0.3520



21.9317, 0.3215, 0.5830



0.5626, 0.3493, 0.5608

Inverse Universe

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



5.8590, 0.2317, 0.1050



10.3716, 0.2302, 0.1042



10.2528, 0.3574, 0.1743



7.5277, 0.3082, 0.3063



4.5113, 0.2325, 0.1055



0.1372, 0.2626, 0.1221

Previews

White Background



This preview shows how the Yxy color 28.6295, 0.3208, 0.5835 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 28.6295, 0.3208, 0.5835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

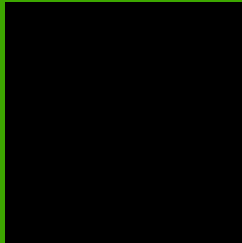
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.6295, 0.3208, 0.5835

Background



This preview shows how black text looks on a background with the Yxy color 28.6295, 0.3208, 0.5835.



This preview shows how white text looks on a background with the Yxy color 28.6295, 0.3208, 0.5835.

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

28.6295, 0.3208, 0.5835

Protanopia

28.0373, 0.4399, 0.4889

Deuteranopia

27.9578, 0.4605, 0.4511



Tritanopia

28.4435, 0.2480, 0.3066

Trichromacy



Original Color

28.6295, 0.3208, 0.5835

Protanomaly

27.2181, 0.3889, 0.5294

Deuteranomaly

26.6410, 0.4030, 0.5061

Tritanomaly

27.5201, 0.2853, 0.4296

Monochromacy



Original Color

28.6295, 0.3208, 0.5835

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

20.3092, 0.3297, 0.4548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6295, 0.3208, 0.5835 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(61, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 167, 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(61, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 167, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.6295, 0.3208, 0.5835 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(61, 167, 0) }
```

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

```
.border{ border-color:rgb(61, 167, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 167, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 167, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.6295, 0.3208, 0.5835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 167, 0) }
```

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

```
.background{ background-color: rgb(61, 167,  
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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