

Converting Colors

$Y_{xy}(28.0232, 0.3563, 0.6268)$

Have a look what the booklet for
Yxy(28.0232, 0.3563, 0.6268)
contains.

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Color

Yxy(28.3002, 0.3364, 0.5711)

Conversions

Conversions Part 1

Format	Color
Hex	51A400
RGB	81, 164, 0
RGB Percent	32%, 64%, 0%
CMY	0.6823, 0.3569, 1.0000
CMYK	0.51, 0.00, 1.00, 0.36
HSL	90°, 100%, 32%
HSV	90°, 100%, 64%
XYZ	16.6699, 28.3002, 4.5837
YIQ	120.4870, 3.1760, -68.6000

Conversions

Conversions Part 2

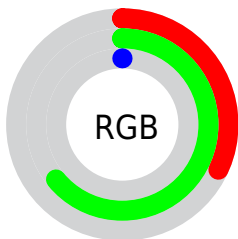
Format	Color
RYB	0, 164, 83
Decimal	5350400
CIELab	60.16, -48.39, 61.73
CIELCh	60, 78.441, 128.093
Yxy	28.3002, 0.3364, 0.5711
Android (android.graphics.Color)	4283540480 (0xFF51A400)
YUV	120.4870, -59.4001, -34.6301
Hunter-Lab	53.1979, -37.1623, 32.1299

Details

The Yxy color **28.3002, 0.3364, 0.5711** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **4.5192, 0.2044, 0.0900**, and the grayscale version is **19.1429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1564, 0.3405, 0.5198**, and **11.4076, 0.3021, 0.5983** is the 20% darker color. If you saturate the color by 10%, you get **28.3012, 0.3364, 0.5711**, and if you desaturate by 10%, it is **28.7295, 0.3410, 0.5592**.

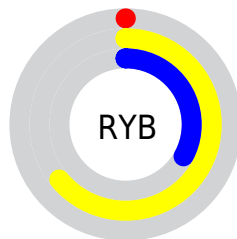
Distribution



Red (32%)

Green (64%)

Blue (0%)



Red (0%)

Yellow (64%)

Blue (33%)

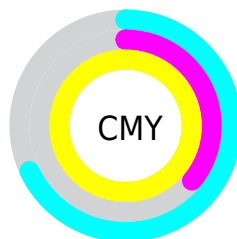


Cyan (51%)

Magenta (0%)

Yellow (100%)

Black (36%)



Cyan (68%)


Magenta (36%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3002, 0.3364, 0.5711 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 28.3002, 0.3364, 0.5711 by changing the saturation by 10% instead.


 28.3002, 0.3364,
0.5711


 28.3002, 0.3364,
0.5711


293.8986, 0.3356,
0.4355


 18.5521, 0.3299,
0.6064


 56.9634, 0.3404,
0.5197

 11.3471, 0.3175,
0.6523


 76.6472, 0.3404,
0.5009

 6.3008, 0.2918,
0.7082


 100.4117, 0.3399,
0.4852

 3.0288, 0.2375,
0.7625

 128.6414, 0.3392,
0.4720

 1.1468, 0.0000,
1.0000

 161.7205, 0.3383,
0.4608

 0.0176, 0.0000,
1.0000


 200.0334, 0.3374,


 0.0000, 0.0000,

0.4512

0.0000


 243.9647, 0.3365,
0.4428


 28.3002, 0.3364,
0.5711


 28.3002, 0.3364,
0.5711


 28.3012, 0.3364,
0.5711

 28.7295, 0.3410,
0.5592

 29.2353, 0.3442,
0.5427

 29.8337, 0.3453,
0.5211

 30.5317, 0.3443,
0.4955

 31.3356, 0.3415,
0.4673

■ 32.2511, 0.3371,
0.4379

■ 33.2831, 0.3317,
0.4085

■ 34.4365, 0.3256,
0.3802

■ 35.7158, 0.3192,
0.3536

Harmonies

Analogous

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



28.3002, 0.4440, 0.5176



28.3002, 0.3364, 0.5711



28.3002, 0.2287, 0.5104

Triad

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



28.3002, 0.3364, 0.5711



28.3002, 0.1237, 0.1722



28.3002, 0.4946, 0.2752

Complementary

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



28.3002, 0.3364, 0.5711



4.5192, 0.2044, 0.0900

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.



28.3002, 0.3669, 0.2117



28.3002, 0.3364, 0.5711



28.3002, 0.1630, 0.1553

Square

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



28.3002, 0.3364, 0.5711



28.3002, 0.1183, 0.2326



28.3002, 0.2435, 0.1696



28.3002, 0.5557, 0.3487

Rectangle

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



28.3002, 0.3364, 0.5711



28.3002, 0.1715, 0.4091



28.3002, 0.2435, 0.1696



28.3002, 0.4561, 0.2524

Sweetspot

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



28.3014, 0.3364, 0.5711



60.3011, 0.3320, 0.4102



13.9280, 0.5394, 0.4099



13.0150, 0.3343, 0.4218



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.



28.3014, 0.3364, 0.5711



51.2470, 0.3351, 0.5721



26.5514, 0.3000, 0.6000



8.0588, 0.3187, 0.3517



21.7280, 0.3371, 0.5706



0.4847, 0.3662, 0.5474

Inverse Universe

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



4.5192, 0.2044, 0.0900



8.0779, 0.2026, 0.0889



10.5732, 0.3209, 0.1542



7.0278, 0.3062, 0.3063



3.4932, 0.2053, 0.0905



0.1015, 0.2466, 0.1132

Previews

White Background



This preview shows how the Yxy color 28.3002, 0.3364, 0.5711 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 28.3002, 0.3364, 0.5711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

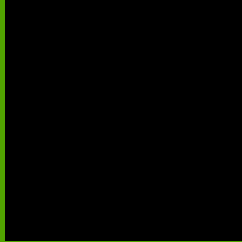
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3002, 0.3364, 0.5711

Background



This preview shows how black text looks on a background with the Yxy color 28.3002, 0.3364, 0.5711.



This preview shows how white text looks on a background with the Yxy color 28.3002, 0.3364, 0.5711.

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

28.3002, 0.3364, 0.5711

Protanopia

28.0373, 0.4399, 0.4889

Deuteranopia

27.8306, 0.4599, 0.4524



Tritanopia

28.0566, 0.2582, 0.3068

Trichromacy



Original Color

28.3002, 0.3364, 0.5711

Protanomaly

27.4430, 0.3978, 0.5223

Deuteranomaly

26.9451, 0.4122, 0.4991

Tritanomaly

27.2298, 0.2993, 0.4255

Monochromacy



Original Color

28.3002, 0.3364, 0.5711

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

21.1943, 0.3392, 0.4478

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3002, 0.3364, 0.5711 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(81, 164, 0)` looks like.

```
.text, #text, p{  
    color:rgb(81, 164, 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(81, 164, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 164, 0) }
```

Border

The CSS property to change the border of an element to Yxy 28.3002, 0.3364, 0.5711 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(81, 164, 0) }
```

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

```
.border{ border-color:rgb(81, 164, 0) }
```

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

Here you see how a box with a 4 pixel rgb(81, 164, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 164, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 164, 0);  
box-shadow:4px 4px 4px 4px rgb(81, 164, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 28.3002, 0.3364, 0.5711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 164, 0) }
```

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

```
.background{ background-color: rgb(81, 164,  
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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