

Converting Colors

$Yxy(16.8415, 0.3214, 0.5916)$

Have a look what the booklet for
Yxy(16.8415, 0.3214, 0.5916)
contains.

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Color

Yxy(16.7681, 0.3192, 0.5847)

Conversions

Conversions Part 1

Format	Color
Hex	2C8300
RGB	44, 131, 0
RGB Percent	17%, 51%, 0%
CMY	0.8276, 0.4863, 0.9997
CMYK	0.66, 0.00, 1.00, 0.49
HSL	100°, 100%, 26%
HSV	100°, 100%, 51%
XYZ	9.1541, 16.7681, 2.7560
YIQ	90.0530, -9.8010, -59.1850

Conversions

Conversions Part 2

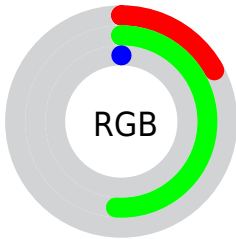
Format	Color
RYB	0, 131, 87
Decimal	2917120
CIELab	47.97, -46.53, 51.57
CIELCh	48, 69.454, 132.060
Yxy	16.7681, 0.3192, 0.5847
Android (android.graphics.Color)	4281107200 (0xFF2C8300)
YUV	90.0530, -44.3961, -40.3885
Hunter-Lab	40.9489, -31.7571, 24.6738

Details

The Yxy color **16.7681, 0.3192, 0.5847** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **3.6724, 0.2402, 0.1097**, and the grayscale version is **10.3400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9631, 0.3277, 0.5205**, and **5.7373, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.7676, 0.3192, 0.5848**, and if you desaturate by 10%, it is **17.0115, 0.3234, 0.5706**.

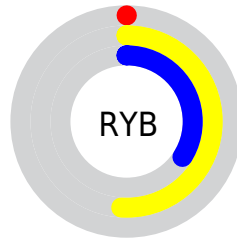
Distribution



Red (17%)

Green (51%)

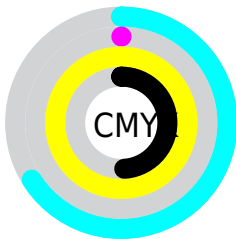
Blue (0%)



Red (0%)

Yellow (51%)

Blue (34%)

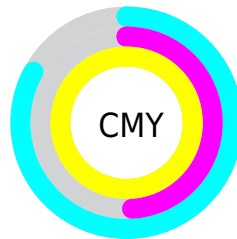


Cyan (66%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (83%)


Magenta (49%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7681, 0.3192, 0.5847 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 16.7681, 0.3192, 0.5847 by changing the saturation by 10% instead.


 16.7681, 0.3192,
0.5847


 16.7681, 0.3192,
0.5847


233.8324, 0.3275,
0.4285

 10.0693, 0.3074,
0.6317


 37.9266, 0.3277,
0.5209


 5.4449, 0.2899,
0.7101

 53.1551, 0.3289,
0.4990

 2.5106, 0.2311,
0.7689

 71.9957, 0.3293,
0.4813

 0.8819, 0.0000,
1.0000


 94.8326, 0.3292,
0.4668


 0.0000, 0.0000,
0.0000


 122.0504, 0.3289,
0.4548


 154.0333, 0.3285,


0.4446


 191.1659, 0.3280,
0.4360


 16.7681, 0.3192,
0.5847


 16.7681, 0.3192,
0.5847


 16.7676, 0.3192,
0.5848

 17.0115, 0.3234,
0.5706

 17.3140, 0.3270,
0.5520

 17.6884, 0.3290,
0.5281

 18.1399, 0.3296,
0.5001

 18.6732, 0.3288,
0.4698

■ 19.2925, 0.3267,
0.4389

■ 20.0017, 0.3239,
0.4086

■ 20.8045, 0.3204,
0.3798

■ 21.7044, 0.3166,
0.3531

Harmonies

Analogous

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



16.7681, 0.4322, 0.5348



16.7681, 0.3192, 0.5847



16.7681, 0.2102, 0.5030

Triad

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



16.7681, 0.3192, 0.5847



16.7681, 0.1203, 0.1613



16.7681, 0.5179, 0.2814

Complementary

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



16.7681, 0.3192, 0.5847



3.6724, 0.2402, 0.1097

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.



16.7681, 0.3882, 0.2144



16.7681, 0.3192, 0.5847



16.7681, 0.1654, 0.1492

Square

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



16.7681, 0.3192, 0.5847



16.7681, 0.1100, 0.2155



16.7681, 0.2546, 0.1678



16.7681, 0.5677, 0.3571

Rectangle

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



16.7681, 0.3192, 0.5847



16.7681, 0.1554, 0.3902



16.7681, 0.2546, 0.1678



16.7681, 0.4804, 0.2577

Sweetspot

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



16.7688, 0.3192, 0.5847



35.7148, 0.3241, 0.4108



11.3512, 0.4950, 0.4451



8.2050, 0.3252, 0.4216



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.7688, 0.3192, 0.5847



29.9469, 0.3177, 0.5859



16.2840, 0.2956, 0.5840



5.2750, 0.3163, 0.3511



16.5050, 0.3192, 0.5847



0.0609, 0.3522, 0.5586

Inverse Universe

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



3.6724, 0.2402, 0.1097



6.4841, 0.2384, 0.1087



5.9831, 0.3615, 0.1766



4.6867, 0.3088, 0.3072



3.6133, 0.2402, 0.1097



0.0165, 0.2787, 0.1309

Previews

White Background



This preview shows how the Yxy color 16.7681, 0.3192, 0.5847 looks on a white 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

Black Background



This preview shows how the Yxy color 16.7681, 0.3192, 0.5847 looks on a black 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

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

Yxy 16.7681, 0.3192, 0.5847

Background



This preview shows how black text looks on a background with the Yxy color 16.7681, 0.3192, 0.5847.



This preview shows how white text looks on a background with the Yxy color 16.7681, 0.3192, 0.5847.

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

16.7681, 0.3192, 0.5847

Protanopia

16.6238, 0.4393, 0.4894

Deuteranopia

16.3500, 0.4573, 0.4498



Tritanopia

16.8140, 0.2470, 0.3075

Trichromacy



Original Color

16.7681, 0.3192, 0.5847

Protanomaly

15.9743, 0.3870, 0.5309

Deuteranomaly

15.5986, 0.3989, 0.5059

Tritanomaly

16.2371, 0.2831, 0.4281

Monochromacy



Original Color

16.7681, 0.3192, 0.5847

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.8150, 0.3277, 0.4535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7681, 0.3192, 0.5847 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(44, 131, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 131, 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(44, 131, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 131, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.7681, 0.3192, 0.5847 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(44, 131, 0) }
```

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

```
.border{ border-color:rgb(44, 131, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 131, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 131, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 131, 0);  
box-shadow:4px 4px 4px 4px rgb(44, 131, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.7681, 0.3192, 0.5847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 131, 0) }
```

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

```
.background{ background-color: rgb(44, 131,  
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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