

Converting Colors

$Y_{xy}(16.2025, 0.3255, 0.5815)$

Have a look what the booklet for
Yxy(16.2025, 0.3255, 0.5815)
contains.

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Color

Yxy(16.1165, 0.3252, 0.5800)

Conversions

Conversions Part 1

Format	Color
Hex	328000
RGB	50, 128, 0
RGB Percent	20%, 50%, 0%
CMY	0.8037, 0.4980, 1.0000
CMYK	0.61, 0.00, 1.00, 0.50
HSL	97°, 100%, 25%
HSV	97°, 100%, 50%
XYZ	9.0364, 16.1165, 2.6342
YIQ	90.0860, -5.4000, -56.3440

Conversions

Conversions Part 2

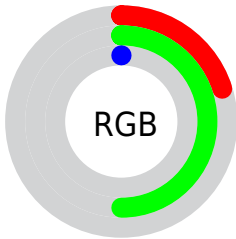
Format	Color
RYB	0, 128, 78
Decimal	3309568
CIELab	47.13, -43.90, 51.00
CIELCh	47, 67.286, 130.721
Yxy	16.1165, 0.3252, 0.5800
Android (android.graphics.Color)	4281499648 (0xFF328000)
YUV	90.0860, -44.4124, -35.1554
Hunter-Lab	40.1454, -30.0757, 24.2113

Details

The Yxy color **16.1165, 0.3252, 0.5800** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **3.1760, 0.2278, 0.1029**, and the grayscale version is **10.3505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9519, 0.3322, 0.5175**, and **5.4488, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.1172, 0.3252, 0.5800**, and if you desaturate by 10%, it is **16.3612, 0.3294, 0.5658**.

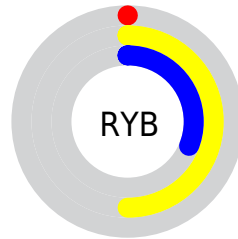
Distribution



Red (20%)

Green (50%)

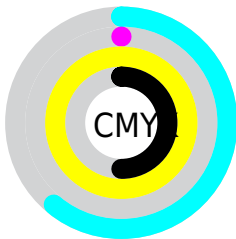
Blue (0%)



Red (0%)

Yellow (50%)

Blue (31%)

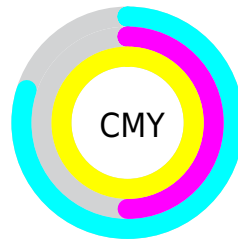


Cyan (61%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (80%)


Magenta (50%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1165, 0.3252, 0.5800 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 16.1165, 0.3252, 0.5800 by changing the saturation by 10% instead.


 16.1165, 0.3252,
0.5800


 16.1165, 0.3252,
0.5800


230.0282, 0.3297,
0.4264


 9.6066, 0.3144,
0.6263


 36.8003, 0.3322,
0.5173


 5.1389, 0.2976,
0.7024

 51.7431, 0.3328,
0.4957

 2.3290, 0.2388,
0.7612

 70.2656, 0.3328,
0.4783

 0.7890, 0.0000,
1.0000


 92.7522, 0.3324,
0.4641


 0.0000, 0.0000,
0.0000


 119.5874, 0.3318,
0.4523


 151.1556, 0.3311,


0.4423

 187.8410, 0.3304,
0.4338


 16.1165, 0.3252,
0.5800


 16.1165, 0.3252,
0.5800


 16.1172, 0.3252,
0.5800

 16.3612, 0.3294,
0.5658

 16.6564, 0.3328,
0.5476

 17.0138, 0.3345,
0.5243

 17.4381, 0.3345,
0.4972

 17.9330, 0.3330,
0.4678

■ 18.5022, 0.3302,
0.4376

■ 19.1491, 0.3265,
0.4079

■ 19.8766, 0.3222,
0.3795

■ 20.6878, 0.3175,
0.3532

Harmonies

Analogous

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



16.1165, 0.4364, 0.5288



16.1165, 0.3252, 0.5800



16.1165, 0.2166, 0.5058

Triad

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



16.1165, 0.3252, 0.5800



16.1165, 0.1215, 0.1650



16.1165, 0.5098, 0.2793

Complementary

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



16.1165, 0.3252, 0.5800



3.1760, 0.2278, 0.1029

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.



16.1165, 0.3807, 0.2135



16.1165, 0.3252, 0.5800



16.1165, 0.1646, 0.1513

Square

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



16.1165, 0.3252, 0.5800



16.1165, 0.1129, 0.2213



16.1165, 0.2507, 0.1684



16.1165, 0.5638, 0.3543

Rectangle

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



16.1165, 0.3252, 0.5800



16.1165, 0.1609, 0.3969



16.1165, 0.2507, 0.1684



16.1165, 0.4719, 0.2559

Sweetspot

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



16.1172, 0.3252, 0.5800



33.6330, 0.3268, 0.4099



9.8687, 0.5083, 0.4346



7.7769, 0.3281, 0.4203



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.1172, 0.3252, 0.5800



28.2990, 0.3237, 0.5812



15.4664, 0.2973, 0.5902



4.8944, 0.3171, 0.3509



15.9826, 0.3252, 0.5800



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.1760, 0.2278, 0.1029



5.5072, 0.2259, 0.1018



5.8314, 0.3469, 0.1685



4.3311, 0.3080, 0.3073



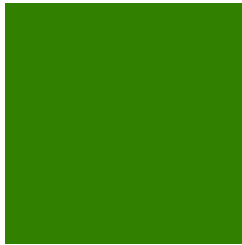
3.1501, 0.2279, 0.1029



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.1165, 0.3252, 0.5800 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 16.1165, 0.3252, 0.5800 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 16.1165, 0.3252, 0.5800

Background



This preview shows how black text looks on a background with the Yxy color 16.1165, 0.3252, 0.5800.



This preview shows how white text looks on a background with the Yxy color 16.1165, 0.3252, 0.5800.

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

16.1165, 0.3252, 0.5800

Protanopia

16.0240, 0.4396, 0.4892

Deuteranopia

15.9626, 0.4568, 0.4510



Tritanopia

16.1182, 0.2508, 0.3072

Trichromacy



Original Color

16.1165, 0.3252, 0.5800

Protanomaly

15.5535, 0.3908, 0.5279

Deuteranomaly

15.2009, 0.4033, 0.5033

Tritanomaly

15.5850, 0.2881, 0.4264

Monochromacy



Original Color

16.1165, 0.3252, 0.5800

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.6919, 0.3309, 0.4504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1165, 0.3252, 0.5800 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(50, 128, 0)` looks like.

```
.text, #text, p{  
    color:rgb(50, 128, 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(50, 128, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 128, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.1165, 0.3252, 0.5800 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(50, 128, 0) }
```

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

```
.border{ border-color:rgb(50, 128, 0) }
```

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

Here you see how a box with a 4 pixel rgb(50, 128, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 128, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 128, 0);  
box-shadow:4px 4px 4px 4px rgb(50, 128, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.1165, 0.3252, 0.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 128, 0) }
```

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

```
.background{ background-color: rgb(50, 128,  
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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