

Converting Colors

$Y_{xy}(16.3490, 0.3085, 0.5763)$

Have a look what the booklet for
Yxy(16.3490, 0.3085, 0.5763)
contains.

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Color

Yxy(16.3490, 0.3085, 0.5763)

Conversions

Conversions Part 1

Format	Color
Hex	228212
RGB	34, 130, 18
RGB Percent	13%, 51%, 7%
CMY	0.8667, 0.4902, 0.9293
CMYK	0.74, 0.00, 0.86, 0.49
HSL	111°, 76%, 29%
HSV	111°, 86%, 51%
XYZ	8.7518, 16.3490, 3.2681
YIQ	88.5280, -21.2640, -55.1840

Conversions

Conversions Part 2

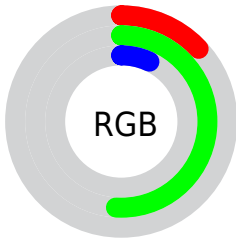
Format	Color
RYB	18, 130, 114
Decimal	2261522
CIELab	47.43, -47.62, 47.21
CIELCh	47, 67.052, 135.250
Yxy	16.3490, 0.3085, 0.5763
Android (android.graphics.Color)	4280451602 (0xFF228212)
YUV	88.5280, -34.7703, -47.8211
Hunter-Lab	40.4339, -32.1235, 23.5116

Details

The Yxy color **16.3490, 0.3085, 0.5763** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **5.6255, 0.2912, 0.1464**, and the grayscale version is **9.9635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1949, 0.3180, 0.5129**, and **5.5920, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.1573, 0.3058, 0.5910**, and if you desaturate by 10%, it is **16.6262, 0.3110, 0.5549**.

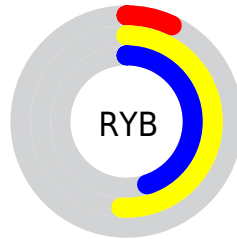
Distribution



Red (13%)

Green (51%)

Blue (7%)



Red (7%)

Yellow (51%)

Blue (45%)

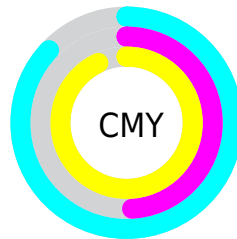


Cyan (74%)

Magenta (0%)

Yellow (86%)

Black (49%)



Cyan (87%)


Magenta (49%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3490, 0.3085, 0.5763 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 16.3490, 0.3085, 0.5763 by changing the saturation by 10% instead.

 16.3490, 0.3085,
0.5763


 16.3490, 0.3085,
0.5763


231.3924, 0.3214,
0.4231


 9.7715, 0.2964,
0.6248


 37.2030, 0.3182,
0.5126


 5.2477, 0.2824,
0.7168

 52.2483, 0.3200,
0.4911


 2.3933, 0.2191,
0.7809

 70.8849, 0.3210,
0.4739

 0.8224, 0.0000,
1.0000


 93.4973, 0.3214,
0.4599


 0.0000, 0.0000,
0.0000

 120.4699, 0.3216,
0.4483


 152.1870, 0.3217,

0.4386

 189.0330, 0.3216,
0.4303

 16.3490, 0.3085,
0.5763


 16.3490, 0.3085,
0.5763


 16.1573, 0.3058,
0.5910


 16.6262, 0.3110,
0.5549

 16.0996, 0.3051,
0.5959

 16.9972, 0.3130,
0.5276

 17.4706, 0.3144,
0.4963

 18.0532, 0.3151,
0.4632

 18.7513, 0.3152,
0.4303

■ 19.5709, 0.3149,
0.3989

■ 20.5174, 0.3142,
0.3699

■ 21.5958, 0.3133,
0.3436

■ 22.8110, 0.3123,
0.3203

Harmonies

Analogous

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



16.3490, 0.4201, 0.5399



16.3490, 0.3085, 0.5763



16.3490, 0.2032, 0.4816

Triad

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



16.3490, 0.3085, 0.5763



16.3490, 0.1267, 0.1617



16.3490, 0.5225, 0.2907

Complementary

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



16.3490, 0.3085, 0.5763



5.6255, 0.2912, 0.1464

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.



16.3490, 0.4015, 0.2231



16.3490, 0.3085, 0.5763



16.3490, 0.1754, 0.1530

Square

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



16.3490, 0.3085, 0.5763



16.3490, 0.1131, 0.2101



16.3490, 0.2684, 0.1744



16.3490, 0.5617, 0.3665

Rectangle

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



16.3490, 0.3085, 0.5763



16.3490, 0.1524, 0.3714



16.3490, 0.2684, 0.1744



16.3490, 0.4887, 0.2669

Sweetspot

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



16.3497, 0.3085, 0.5763



34.3930, 0.3149, 0.4003



16.6463, 0.4371, 0.4773



7.6872, 0.3151, 0.4091



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.



16.3497, 0.3085, 0.5763



28.3103, 0.3042, 0.5967



16.3924, 0.2809, 0.5129



4.8459, 0.3136, 0.3511



15.4386, 0.3052, 0.5959



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.6255, 0.2912, 0.1464



8.7949, 0.2854, 0.1346



5.9320, 0.4089, 0.2146



4.3823, 0.3116, 0.3076



4.8169, 0.2862, 0.1350



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.3490, 0.3085, 0.5763 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 16.3490, 0.3085, 0.5763 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 16.3490, 0.3085, 0.5763

Background



This preview shows how black text looks on a background with the Yxy color 16.3490, 0.3085, 0.5763.



This preview shows how white text looks on a background with the Yxy color 16.3490, 0.3085, 0.5763.

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

16.3490, 0.3085, 0.5763

Protanopia

16.0505, 0.4357, 0.4835

Deuteranopia

15.9878, 0.4532, 0.4464



Tritanopia

16.3376, 0.2429, 0.3071

Trichromacy



Original Color

16.3490, 0.3085, 0.5763

Protanomaly

15.5525, 0.3784, 0.5259

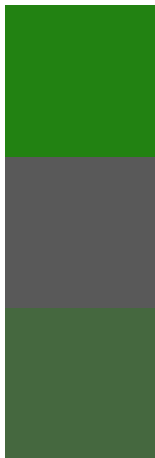
Deuteranomaly

15.1073, 0.3880, 0.5013

Tritanomaly

15.8836, 0.2716, 0.4121

Monochromacy



Original Color

16.3490, 0.3085, 0.5763

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

11.5247, 0.3155, 0.4379

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3490, 0.3085, 0.5763 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(34, 130, 18)` looks like.

```
.text, #text, p{  
    color:rgb(34, 130, 18)  
}
```

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(34, 130, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 130, 18) }
```

Border

The CSS property to change the border of an element to Yxy 16.3490, 0.3085, 0.5763 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(34, 130, 18) }
```

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

```
.border{ border-color:rgb(34, 130, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 130, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 130, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 130, 18);  
box-shadow:4px 4px 4px 4px rgb(34, 130,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3490, 0.3085, 0.5763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 130, 18) }
```

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

```
.background{ background-color: rgb(34, 130,  
18) }
```

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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