

Converting Colors

$Y_{xy}(16.3301, 0.3293, 0.5684)$

Have a look what the booklet for
Yxy(16.3301, 0.3293, 0.5684)
contains.

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Color

Yxy(16.3301, 0.3293, 0.5684)

Conversions

Conversions Part 1

Format	Color
Hex	39800A
RGB	57, 128, 10
RGB Percent	22%, 50%, 4%
CMY	0.7765, 0.4980, 0.9610
CMYK	0.55, 0.00, 0.92, 0.50
HSL	96°, 86%, 27%
HSV	96°, 92%, 50%
XYZ	9.4608, 16.3301, 2.9391
YIQ	93.3190, -4.4380, -51.7500

Conversions

Conversions Part 2

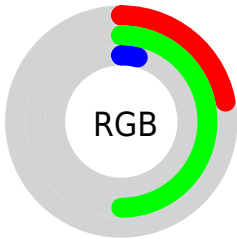
Format	Color
R_{YB}	10, 128, 81
Decimal	3768330
CIE Lab	47.40, -41.57, 49.32
CIE LCh	47, 64.508, 130.127
Yxy	16.3301, 0.3293, 0.5684
Android (android.graphics.Color)	4281958410 (0xFF39800A)
YUV	93.3190, -41.0763, -31.8518
Hunter-Lab	40.4105, -28.9286, 23.9752

Details

The Yxy color **16.3301, 0.3293, 0.5684** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **3.5227, 0.2338, 0.1114**, and the grayscale version is **11.1226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3303, 0.3338, 0.5089**, and **5.4488, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.1432, 0.3260, 0.5793**, and if you desaturate by 10%, it is **16.6136, 0.3330, 0.5516**.

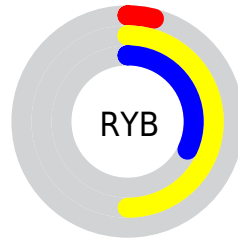
Distribution



Red (22%)

Green (50%)

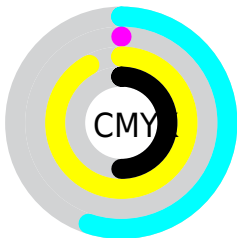
Blue (4%)



Red (4%)

Yellow (50%)

Blue (32%)

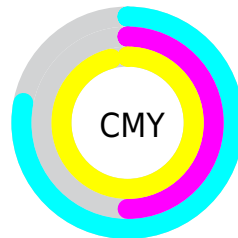


Cyan (55%)

Magenta (0%)

Yellow (92%)

Black (50%)



Cyan (78%)


Magenta (50%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3301, 0.3293, 0.5684 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 16.3301, 0.3293, 0.5684 by changing the saturation by 10% instead.


 16.3301, 0.3293,
0.5684

 16.3301, 0.3293,
0.5684


231.2818, 0.3303,
0.4222


 9.7580, 0.3204,
0.6128


 37.1703, 0.3343,
0.5086


 5.2388, 0.3090,
0.6910

 52.2073, 0.3345,
0.4881


 2.3881, 0.2548,
0.7452

 70.8347, 0.3341,
0.4716

 0.8197, 0.0000,
1.0000


 93.4369, 0.3335,
0.4580


 0.0000, 0.0000,
0.0000


 120.3983, 0.3327,
0.4468


 152.1033, 0.3319,


0.4373


 188.9363, 0.3311,
0.4292


 16.3301, 0.3293,
0.5684


 16.3301, 0.3293,
0.5684

 16.1432, 0.3260,
0.5793

 16.6136, 0.3330,
0.5516

 16.9569, 0.3351,
0.5294

 17.3652, 0.3354,
0.5031

 17.8426, 0.3341,
0.4741

 18.3926, 0.3314,
0.4441

■ 19.0185, 0.3277,
0.4143

■ 19.7235, 0.3234,
0.3856

■ 20.5104, 0.3187,
0.3588

■ 21.3821, 0.3138,
0.3342

Harmonies

Analogous

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



16.3301, 0.4366, 0.5216



16.3301, 0.3293, 0.5684



16.3301, 0.2234, 0.4990

Triad

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



16.3301, 0.3293, 0.5684



16.3301, 0.1268, 0.1714



16.3301, 0.4993, 0.2807

Complementary

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



16.3301, 0.3293, 0.5684



3.5227, 0.2338, 0.1114

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.



16.3301, 0.3755, 0.2165



16.3301, 0.3293, 0.5684



16.3301, 0.1684, 0.1568

Square

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



16.3301, 0.3293, 0.5684



16.3301, 0.1193, 0.2280



16.3301, 0.2514, 0.1730



16.3301, 0.5539, 0.3543

Rectangle

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



16.3301, 0.3293, 0.5684



16.3301, 0.1684, 0.3973



16.3301, 0.2514, 0.1730



16.3301, 0.4627, 0.2578

Sweetspot

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



16.3308, 0.3293, 0.5684



33.9107, 0.3263, 0.4039



10.4643, 0.4946, 0.4355



7.8361, 0.3278, 0.4146



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.



16.3308, 0.3293, 0.5684



28.3414, 0.3245, 0.5806



15.5606, 0.2972, 0.5790



4.8958, 0.3172, 0.3509



16.0069, 0.3261, 0.5793



0.0000, 0.0000, 0.0000

Inverse Universe

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



3.5227, 0.2338, 0.1114



5.4367, 0.2242, 0.1009



6.0712, 0.3443, 0.1717



4.3296, 0.3079, 0.3073



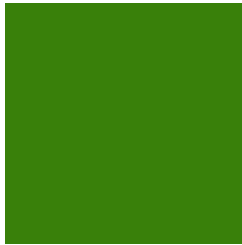
3.1106, 0.2262, 0.1020



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.3301, 0.3293, 0.5684 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 16.3301, 0.3293, 0.5684 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 16.3301, 0.3293, 0.5684

Background



This preview shows how black text looks on a background with the Yxy color 16.3301, 0.3293, 0.5684.



This preview shows how white text looks on a background with the Yxy color 16.3301, 0.3293, 0.5684.

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

16.3301, 0.3293, 0.5684

Deuteranopia

16.0546, 0.4574, 0.4492

Tritanopia

16.3151, 0.2552, 0.3075

Trichromacy



Original Color

16.3301, 0.3293, 0.5684

Deuteranomaly

15.4038, 0.4058, 0.4968

Tritanomaly

15.8562, 0.2902, 0.4148

Monochromacy



Original Color

16.3301, 0.3293, 0.5684

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

12.3724, 0.3304, 0.4367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3301, 0.3293, 0.5684 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(57, 128, 10)` looks like.

```
.text, #text, p{  
    color:rgb(57, 128, 10)  
}
```

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(57, 128, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 128, 10) }
```

Border

The CSS property to change the border of an element to Yxy 16.3301, 0.3293, 0.5684 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(57, 128, 10) }
```

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

```
.border{ border-color:rgb(57, 128, 10) }
```

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

Here you see how a box with a 4 pixel rgb(57, 128, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 128, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 128, 10);  
box-shadow:4px 4px 4px 4px rgb(57, 128,  
10) }
```

Background

The CSS property to change the background color of an element to Yxy 16.3301, 0.3293, 0.5684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 128, 10) }
```

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

```
.background{ background-color: rgb(57, 128,  
10) }
```

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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