

# Converting Colors

$Y_{xy}(19.4665, 0.3180, 0.5754)$

Have a look what the booklet for  
Yxy(19.4665, 0.3180, 0.5754)  
contains.

<b>Yxy(19.4660, 0.3183, 0.5752)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(19.4660, 0.3183, 0.5752)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	328C0E
RGB	50, 140, 14
RGB Percent	20%, 55%, 5%
CMY	0.8040, 0.4510, 0.9452
CMYK	0.64, 0.00, 0.90, 0.45
HSL	103°, 82%, 30%
HSV	103°, 90%, 55%
XYZ	10.7720, 19.4660, 3.6042
YIQ	98.7260, -13.1940, -58.2660

# Conversions

## Conversions Part 2

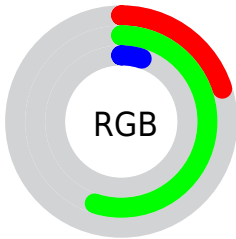
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	14, 140, 104
Decimal	3312654
CIE <sub>Lab</sub>	51.23, -47.81, 51.69
CIE <sub>LCh</sub>	51, 70.413, 132.764
Yxy	19.4660, 0.3183, 0.5752
Android (android.graphics.Color)	4281502734 (0xFF328C0E)
YUV	98.7260, -41.7699, -42.7327
Hunter-Lab	44.1203, -33.6298, 26.0408

# Details

The Yxy color **19.4660, 0.3183, 0.5752** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.1507, 0.2586, 0.1256**, and the grayscale version is **12.5131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7625, 0.3259, 0.5157**, and **7.1448, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **19.2085, 0.3142, 0.5887**, and if you desaturate by 10%, it is **19.8014, 0.3219, 0.5567**.

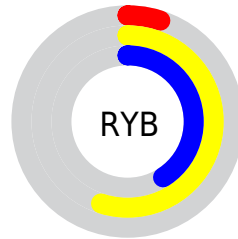
# Distribution



Red (20%)

Green (55%)

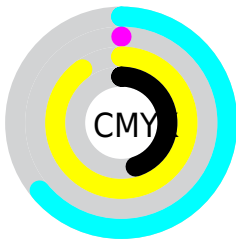
Blue (5%)



Red (5%)

Yellow (55%)

Blue (41%)

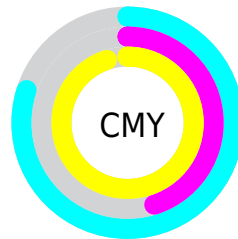


Cyan (64%)

Magenta (0%)

Yellow (90%)

Black (45%)



Cyan (80%)

Magenta (45%)


Yellow (95%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4660, 0.3183, 0.5752 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 19.4660, 0.3183, 0.5752 by changing the saturation by 10% instead.





 19.4660, 0.3183,  
0.5752


 19.4660, 0.3183,  
0.5752


249.0094, 0.3261,  
0.4273


 12.0075, 0.3083,  
0.6190


 42.5201, 0.3258,  
0.5155


 6.7488, 0.2940,  
0.6906


 58.8844, 0.3270,  
0.4948

 3.3055, 0.2475,  
0.7525

 78.9861, 0.3274,  
0.4780

 1.2932, 0.0110,  
0.9890

 103.2096, 0.3274,  
0.4642

 0.1359, 0.0000,  
1.0000


 131.9393, 0.3272,  
0.4527


 0.0000, 0.0000,  
0.0000


 165.5596, 0.3269,


0.4429


 204.4548, 0.3265,  
0.4345

 19.4660, 0.3183,  
0.5752

 19.4660, 0.3183,  
0.5752


 19.2085, 0.3142,  
0.5887

 19.8014, 0.3219,  
0.5567

 20.2261, 0.3243,  
0.5324

 20.7477, 0.3253,  
0.5038

 21.3725, 0.3251,  
0.4727

 22.1060, 0.3238,  
0.4409

■ 22.9534, 0.3216,  
0.4099

■ 23.9195, 0.3190,  
0.3806

■ 25.0088, 0.3159,  
0.3535

■ 26.2255, 0.3127,  
0.3290

# Harmonies

## Analogous

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



19.4660, 0.4286, 0.5322



19.4660, 0.3183, 0.5752



19.4660, 0.2119, 0.4924

# Triad

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



19.4660, 0.3183, 0.5752



19.4660, 0.1254, 0.1651



19.4660, 0.5132, 0.2853

# Complementary

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



19.4660, 0.3183, 0.5752



5.1507, 0.2586, 0.1256

# 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.



19.4660, 0.3893, 0.2190



19.4660, 0.3183, 0.5752



19.4660, 0.1708, 0.1536

# Square

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



19.4660, 0.3183, 0.5752



19.4660, 0.1147, 0.2176



19.4660, 0.2593, 0.1726



19.4660, 0.5602, 0.3602



# Rectangle

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



19.4660, 0.3183, 0.5752



19.4660, 0.1588, 0.3846



19.4660, 0.2593, 0.1726



19.4660, 0.4775, 0.2618

# Sweetspot

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



19.4668, 0.3183, 0.5752



40.8615, 0.3210, 0.4025



15.1493, 0.4700, 0.4545



9.3048, 0.3218, 0.4115



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290



# Same Dimension

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



19.4668, 0.3183, 0.5752



33.7906, 0.3130, 0.5897



18.9985, 0.2920, 0.5587



5.6729, 0.3156, 0.3513



17.0755, 0.3146, 0.5884



0.1201, 0.3455, 0.5639



# Inverse Universe

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



5.1507, 0.2586, 0.1256



8.0316, 0.2498, 0.1150



7.1227, 0.3702, 0.1876



5.0584, 0.3095, 0.3071



4.1005, 0.2516, 0.1159

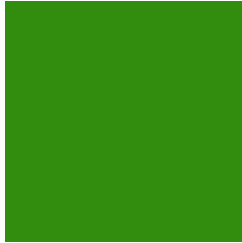


0.0347, 0.2856, 0.1347



# Previews

## White Background



This preview shows how the Yxy color 19.4660, 0.3183, 0.5752 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 19.4660, 0.3183, 0.5752 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 19.4660, 0.3183, 0.5752**

## **Background**



This preview shows how black text looks on a background with the Yxy color 19.4660, 0.3183, 0.5752.



This preview shows how white text looks on a background with the Yxy color 19.4660, 0.3183, 0.5752.

# 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

19.4660, 0.3183, 0.5752

### Protanopia

19.2440, 0.4386, 0.4881

### Deuteranopia

19.0412, 0.4561, 0.4490



## Tritanopia

19.3842, 0.2483, 0.3068

# Trichromacy



**Original Color**

19.4660, 0.3183, 0.5752

**Protanomaly**

18.7191, 0.3860, 0.5269

**Deuteranomaly**

18.1303, 0.3988, 0.5003

**Tritanomaly**

19.0347, 0.2809, 0.4165

# Monochromacy



**Original Color**

19.4660, 0.3183, 0.5752

**Achromatopsia**

12.4772, 0.3127, 0.3290

**Achromatomaly**

14.2013, 0.3235, 0.4395

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 19.4660, 0.3183, 0.5752 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, 140, 14)` looks like.

```
.text, #text, p{  
    color:rgb(50, 140, 14)  
}
```

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, 140, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 140, 14) }
```

## Border

The CSS property to change the border of an element to Yxy 19.4660, 0.3183, 0.5752 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, 140, 14) }
```

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

```
.border{ border-color:rgb(50, 140, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 140, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 140, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 140, 14);  
box-shadow:4px 4px 4px 4px rgb(50, 140,  
14) }
```



# Background

The CSS property to change the background color of an element to Yxy 19.4660, 0.3183, 0.5752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 140, 14) }
```

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

```
.background{ background-color: rgb(50, 140,  
14) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor