

# Converting Colors

XYZ(15.2857, 14.6165, 3.3120)

Have a look what the booklet for  
XYZ(15.2857, 14.6165, 3.3120)  
contains.

<b>XYZ(15.2857, 14.6165, 3.3120)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(15.2857, 14.6165,  
3.3120)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8A641F
RGB	138, 100, 31
RGB Percent	54%, 39%, 12%
CMY	0.4588, 0.6078, 0.8784
CMYK	0.00, 0.28, 0.78, 0.46
HSL	39°, 63%, 33%
HSV	39°, 78%, 54%
XYZ	15.2857, 14.6165, 3.3120
YIQ	103.4960, 44.7970, -13.4030

# Conversions

## Conversions Part 2

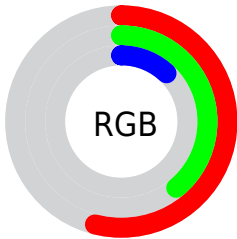
<b>Format</b>	<b>Color</b>
<b>RYB</b>	90, 138, 31
Decimal	9069599
CIELab	45.10, 8.53, 42.92
CIElCh	45, 43.759, 78.766
Yxy	14.6165, 0.4602, 0.4401
Android (android.graphics.Color)	4287259679 (0xFF8A641F)
YUV	103.4960, -35.7405, 30.2600
Hunter-Lab	38.2315, 4.4625, 21.6258

# Details

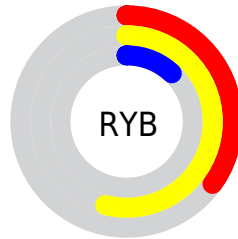
The XYZ color **15.2857, 14.6165, 3.3120** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.2806, 6.3824, 24.8927**, and the grayscale version is **13.1078, 13.7904, 15.0177**.

A 20% lighter version of the original color is **35.0203, 34.3145, 12.3670**, and **4.9753, 4.5232, 0.6108** is the 20% darker color. If you saturate the color by 10%, you get **14.6854, 13.6474, 2.3989**, and if you desaturate by 10%, it is **15.9928, 15.6748, 4.6454**.

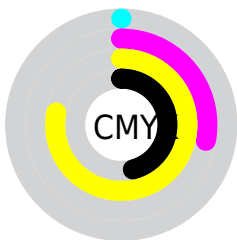
# Distribution



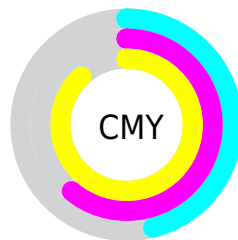
- Red (54%)
- Green (39%)
- Blue (12%)



- Red (35%)
- Yellow (54%)
- Blue (12%)



- Cyan (0%)
- Magenta (28%)
- Yellow (78%)
- Black (46%)



- Cyan (46%)
- Magenta (61%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2857, 14.6165, 3.3120 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 XYZ color 15.2857, 14.6165, 3.3120 by changing the saturation by 10% instead.



■ 15.2857, 14.6165,  
3.3120

■ 15.2857, 14.6165,  
3.3120

218.4433,  
221.0331, 140.2403

■ 9.1078, 8.5507,  
1.2561

■ 34.9212, 34.1790,  
12.3891

■ 4.8692, 4.4493,  
0.0254

■ 49.1094, 48.4444,  
20.2473

■ 2.2047, 1.9279,  
0.0000

■ 66.6984, 66.2119,  
30.8767

■ 0.7452, 0.5651,  
0.0000

■ 88.0537, 87.8658,  
44.6958

■ 0.0000, 0.0000,  
0.0000

■ 113.5404,  
113.7904, 62.1232

■ 143.5240,

144.3703, 83.5774

178.3698,  
179.9897, 109.4769

15.2857, 14.6165,  
3.3120

15.2857, 14.6165,  
3.3120

14.6854, 13.6474,  
2.3989

15.9928, 15.6748,  
4.6454

14.1731, 12.7572,  
1.8131

16.8152, 16.8247,  
6.4451

14.0530, 12.5470,  
1.6811

17.7612, 18.0707,  
8.7519

18.8382, 19.4167,  
11.6019

20.0528, 20.8659,  
15.0279

■ 21.4112, 22.4216,  
19.0601

■ 22.9190, 24.0866,  
23.7264

■ 24.5816, 25.8638,  
29.0533

■ 26.4043, 27.7560,  
35.0654

# Harmonies

## Analogous

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



18.9748, 14.6165, 5.1748



15.2857, 14.6165, 3.3120



11.7819, 14.6165, 3.5545

# Triad

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



15.2857, 14.6165, 3.3120



8.3135, 14.6165, 23.1850



19.7776, 14.6165, 32.8916

# Complementary

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



15.2857, 14.6165, 3.3120



7.2806, 6.3824, 24.8927

# 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.



16.2413, 14.6165, 43.0444



15.2857, 14.6165, 3.3120



9.8100, 14.6165, 35.9717

# Square

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



15.2857, 14.6165, 3.3120



8.1474, 14.6165, 12.3556



12.5867, 14.6165, 44.3665



21.8512, 14.6165, 20.0994



# Rectangle

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



15.2857, 14.6165, 3.3120



9.9923, 14.6165, 4.9194



12.5867, 14.6165, 44.3665



18.6949, 14.6165, 36.9257

# Sweetspot

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



15.2860, 14.6172, 3.3123



36.2837, 37.8658, 29.2311



12.0841, 6.8285, 6.5145



7.9729, 8.3019, 6.0716



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424



# Same Dimension

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



15.2860, 14.6172, 3.3123



25.2069, 22.8769, 3.4510



17.6094, 22.5410, 4.7193



5.2841, 5.5511, 5.3454



12.8988, 11.5320, 1.5461



0.0995, 0.1043, 0.0149



# Inverse Universe

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



7.2806, 6.3824, 24.8927



10.5265, 7.8796, 43.3493



6.1715, 3.3791, 24.3715



4.9105, 5.1640, 6.3438



5.2261, 3.7225, 22.4888

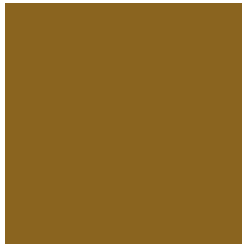


0.0476, 0.0505, 0.1537



# Previews

## White Background



This preview shows how the XYZ color 15.2857, 14.6165, 3.3120 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 XYZ color 15.2857, 14.6165, 3.3120 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](#).

**XYZ 15.2857, 14.6165, 3.3120**

## **Background**



This preview shows how black text looks on a background with the XYZ color 15.2857, 14.6165, 3.3120.



This preview shows how white text looks on a background with the XYZ color 15.2857, 14.6165,



# 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

15.2857, 14.6165, 3.3120

### Protanopia

13.2779, 14.6183, 3.5606

### Deuteranopia

14.8172, 14.6648, 3.2779



## Tritanopia

17.3699, 14.4996, 13.9398

# Trichromacy



## Original Color

15.2857, 14.6165, 3.3120

## Protanomaly

13.9634, 14.5169, 3.4326

## Deuteranomaly

14.8797, 14.5520, 3.2529

## Tritanomaly

16.4374, 14.5365, 8.5961

# Monochromacy



## Original Color

15.2857, 14.6165, 3.3120

## Achromatopsia

12.8919, 13.5633, 14.7705

## Achromatomaly

13.2934, 13.7516, 8.9749

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.2857, 14.6165, 3.3120 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(138, 100, 31)` looks like.

```
.text, #text, p{  
    color:rgb(138, 100, 31)  
}
```

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(138, 100, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 100, 31) }
```

## Border

The CSS property to change the border of an element to XYZ 15.2857, 14.6165, 3.3120 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(138, 100, 31) }
```



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

```
.border{ border-color:rgb(138, 100, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 100, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 100, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 100, 31);  
box-shadow:4px 4px 4px 4px rgb(138, 100,  
31) }
```

# Background

The CSS property to change the background color of an element to XYZ 15.2857, 14.6165, 3.3120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 100, 31) }
```

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

```
.background{ background-color: rgb(138,  
100, 31) }
```

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