

# Converting Colors

XYZ(15.5578, 15.3544, 2.8055)

Have a look what the booklet for  
XYZ(15.5578, 15.3544, 2.8055)  
contains.

<b>XYZ(15.5578, 15.3544, 2.8055)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(15.5578, 15.3544,  
2.8055)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8A6814
RGB	138, 104, 20
RGB Percent	54%, 41%, 8%
CMY	0.4588, 0.5921, 0.9216
CMYK	0.00, 0.25, 0.86, 0.46
HSL	43°, 75%, 31%
HSV	43°, 86%, 54%
XYZ	15.5578, 15.3544, 2.8055
YIQ	104.5900, 47.2280, -18.9160

# Conversions

## Conversions Part 2

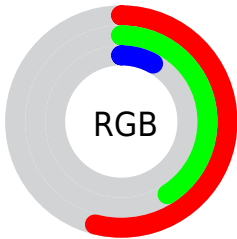
<b>Format</b>	<b>Color</b>
<b>RYB</b>	68, 138, 20
Decimal	9070612
CIELab	46.12, 5.77, 48.02
CIELCh	46, 48.370, 83.150
Yxy	15.3544, 0.4614, 0.4554
Android (android.graphics.Color)	4287260692 (0xFF8A6814)
YUV	104.5900, -41.7029, 29.3006
Hunter-Lab	39.1847, 2.2980, 23.1843

# Details

The XYZ color **15.5578, 15.3544, 2.8055** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.1951, 4.6219, 24.6102**, and the grayscale version is **13.4169, 14.1156, 15.3719**.

A 20% lighter version of the original color is **35.3967, 35.5127, 11.1199**, and **5.1193, 4.8111, 0.6588** is the 20% darker color. If you saturate the color by 10%, you get **15.0750, 14.5365, 2.1894**, and if you desaturate by 10%, it is **16.1275, 16.2384, 3.7828**.

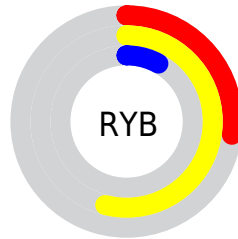
# Distribution



Red (54%)

Green (41%)

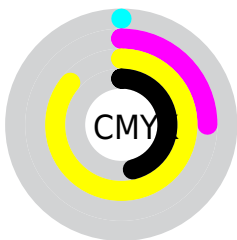
Blue (8%)



Red (27%)

Yellow (54%)

Blue (8%)

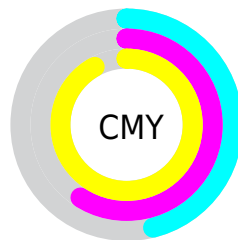


Cyan (0%)

Magenta (25%)

Yellow (86%)

Black (46%)



Cyan (46%)

Magenta (59%)


Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5578, 15.3544, 2.8055 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 15.5578, 15.3544, 2.8055 by changing the saturation by 10% instead.





 15.5578, 15.3544,  
2.8055


 15.5578, 15.3544,  
2.8055


220.0401,  
225.5014, 133.8435


 9.3006, 9.0685,  
0.9962


 35.3925, 35.4737,  
11.1446


 4.9965, 4.7859,  
0.0000

 49.7007, 50.0759,  
18.5115

 2.2799, 2.1222,  
0.0000

 67.4234, 68.2190,  
28.5680

 0.7844, 0.6771,  
0.0000

 88.9258, 90.2873,  
41.7326

 0.0000, 0.0000,  
0.0000

 114.5733,  
116.6654, 58.4240

 144.7313,

147.7374, 79.0605

179.7651,  
183.8880, 104.0609

15.5578, 15.3544,  
2.8055

15.5578, 15.3544,  
2.8055

15.0750, 14.5365,  
2.1894

16.1275, 16.2384,  
3.7828

14.8714, 14.1838,  
1.9539

16.7958, 17.1919,  
5.1867

17.5718, 18.2195,  
7.0626

18.4634, 19.3247,  
9.4500

19.4774, 20.5106,  
12.3841

■ 20.6202, 21.7801,  
15.8973

■ 21.8976, 23.1360,  
20.0189

■ 23.3150, 24.5808,  
24.7768

■ 24.8776, 26.1169,  
30.1966

# Harmonies

## Analogous

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



19.8700, 15.3544, 4.3537



15.5578, 15.3544, 2.8055



11.7000, 15.3544, 3.3422

# Triad

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



15.5578, 15.3544, 2.8055



8.4624, 15.3544, 27.2986



21.8822, 15.3544, 34.3156

# Complementary

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



15.5578, 15.3544, 2.8055



6.1951, 4.6219, 24.6102

# 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.



17.9295, 15.3544, 47.3938



15.5578, 15.3544, 2.8055



10.3457, 15.3544, 42.1852

# Square

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



15.5578, 15.3544, 2.8055



8.0652, 15.3544, 14.1594



13.6707, 15.3544, 50.8019



23.9398, 15.3544, 19.5684



# Rectangle

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



15.5578, 15.3544, 2.8055



9.8253, 15.3544, 5.0393



13.6707, 15.3544, 50.8019



20.6992, 15.3544, 39.2886

# Sweetspot

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



15.5581, 15.3552, 2.8058



36.1245, 38.1495, 27.3217



11.4306, 6.1833, 4.2562



7.9651, 8.4059, 5.7003



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.



15.5581, 15.3552, 2.8058



26.0738, 24.7218, 3.3976



16.2063, 21.8316, 4.0217



5.3114, 5.6056, 5.3544



13.6479, 13.0303, 1.7958



0.1032, 0.1117, 0.0161



# Inverse Universe

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



6.1951, 4.6219, 24.6102



9.2888, 5.6396, 42.9822



5.8593, 2.8621, 24.2882



4.8844, 5.1118, 6.3351



4.9057, 3.0817, 22.3819

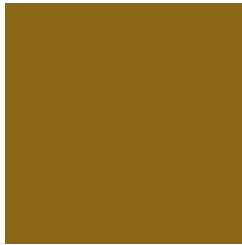


0.0439, 0.0431, 0.1525



# Previews

## White Background



This preview shows how the XYZ color 15.5578, 15.3544, 2.8055 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 15.5578, 15.3544, 2.8055 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 15.5578, 15.3544, 2.8055**

## **Background**



This preview shows how black text looks on a background with the XYZ color 15.5578, 15.3544, 2.8055.



This preview shows how white text looks on a background with the XYZ color 15.5578, 15.3544,



# 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

15.5578, 15.3544, 2.8055

### Protanopia

13.8891, 15.4207, 3.0035

### Deuteranopia

15.5578, 15.3544, 2.8055



## Tritanopia

18.1011, 15.3885, 15.1130

# Trichromacy



## Original Color

15.5578, 15.3544, 2.8055

## Protanomaly

14.4000, 15.3685, 2.9169

## Deuteranomaly

15.5578, 15.3544, 2.8055

## Tritanomaly

16.7443, 15.2581, 8.3659

# Monochromacy



## Original Color

15.5578, 15.3544, 2.8055

## Achromatopsia

13.4271, 14.1263, 15.3836

## Achromatomaly

13.6237, 14.3795, 8.5360

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.5578, 15.3544, 2.8055 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, 104, 20)` looks like.

```
.text, #text, p{  
    color:rgb(138, 104, 20)  
}
```

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, 104, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 104, 20) }
```

## Border

The CSS property to change the border of an element to XYZ 15.5578, 15.3544, 2.8055 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, 104, 20) }
```



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

```
.border{ border-color:rgb(138, 104, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 104, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 104, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 104, 20);  
box-shadow:4px 4px 4px 4px rgb(138, 104,  
20) }
```

# Background

The CSS property to change the background color of an element to XYZ 15.5578, 15.3544, 2.8055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 104, 20) }
```

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

```
.background{ background-color: rgb(138,  
104, 20) }
```

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