

Converting Colors

XYZ(13.6789, 11.8645, 2.8076)

Have a look what the booklet for
XYZ(13.6789, 11.8645, 2.8076)
contains.

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Color

**XYZ(13.6362, 11.8250,
2.7920)**

Conversions

Conversions Part 1

Format	Color
Hex	88551E
RGB	136, 85, 30
RGB Percent	53%, 33%, 12%
CMY	0.4667, 0.6667, 0.8823
CMYK	0.00, 0.37, 0.78, 0.47
HSL	31°, 64%, 33%
HSV	31°, 78%, 53%
XYZ	13.6362, 11.8250, 2.7920
YIQ	93.9790, 48.0510, -6.2930

Conversions

Conversions Part 2

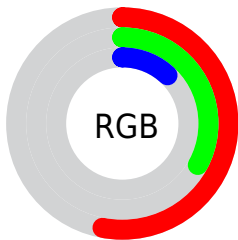
Format	Color
R_{YB}	128, 136, 30
Decimal	8934686
CIE Lab	40.94, 16.33, 39.19
CIE LCh	41, 42.458, 67.373
Yxy	11.8250, 0.4826, 0.4185
Android (android.graphics.Color)	4287124766 (0xFF88551E)
YUV	93.9790, -31.5416, 36.8524
Hunter-Lab	34.3875, 10.6052, 19.2574

Details

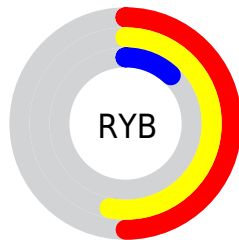
The XYZ color **13.6362, 11.8250, 2.7920** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.9215, 7.9379, 24.4071**, and the grayscale version is **10.6990, 11.2561, 12.2579**.

A 20% lighter version of the original color is **32.0314, 29.2155, 11.1586**, and **4.2052, 3.2449, 0.4047** is the 20% darker color. If you saturate the color by 10%, you get **13.0071, 10.7874, 1.9027**, and if you desaturate by 10%, it is **14.3885, 12.9891, 4.0925**.

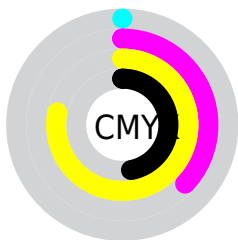
Distribution



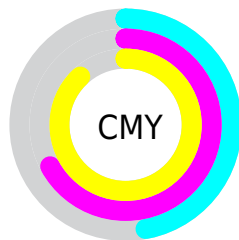
- Red (53%)
- Green (33%)
- Blue (12%)



- Red (50%)
- Yellow (53%)
- Blue (12%)



- Cyan (0%)
- Magenta (37%)
- Yellow (78%)
- Black (47%)



- Cyan (47%)
- Magenta (67%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6362, 11.8250, 2.7920 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 13.6362, 11.8250, 2.7920 by changing the saturation by 10% instead.

■ 13.6362, 11.8250,
2.7920

■ 13.6362, 11.8250,
2.7920

208.5119,
203.2433, 133.6657

■ 7.9481, 6.6246,
0.9894

■ 32.0338, 29.1760,
11.1107

■ 4.1133, 3.2285,
0.0000

■ 45.4740, 42.0954,
18.4640

■ 1.7664, 1.2521,
0.0000

■ 62.2289, 58.3566,
28.5045

■ 0.4973, 0.1037,
0.0000


■ 82.6639, 78.3439,
41.6509


■ 0.0000, 0.0000,
0.0000


■ 107.1444,
102.4419, 58.3217


■ 136.0356,


131.0349, 78.9354


 169.7030,
164.5072, 103.9105


 13.6362, 11.8250,
2.7920


 13.6362, 11.8250,
2.7920


 13.0071, 10.7874,
1.9027


 14.3885, 12.9891,
4.0925


 12.4807, 9.8645,
1.3267

 15.2729, 14.2838,
5.8493

 12.3793, 9.6863,
1.2172

 16.2985, 15.7151,
8.1021

 17.4729, 17.2879,
10.8860

 18.8033, 19.0068,
14.2331

■ 20.2962, 20.8761,
18.1727

■ 21.9579, 22.9001,
22.7322

■ 23.7940, 25.0827,
27.9372

■ 25.8103, 27.4276,
33.8119

Harmonies

Analogous

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



16.5415, 11.8250, 5.1640



13.6362, 11.8250, 2.7920



10.5072, 11.8250, 2.3979

Triad

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



13.6362, 11.8250, 2.7920



6.3900, 11.8250, 15.1406



15.1650, 11.8250, 31.2377

Complementary

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



13.6362, 11.8250, 2.7920



7.9215, 7.9379, 24.4071

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.



12.0047, 11.8250, 37.5659



13.6362, 11.8250, 2.7920



7.2117, 11.8250, 25.9114

Square

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



13.6362, 11.8250, 2.7920



6.6690, 11.8250, 7.4583



9.1412, 11.8250, 35.2708



17.5292, 11.8250, 20.4314

Rectangle

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



13.6362, 11.8250, 2.7920



8.7649, 11.8250, 3.0084



9.1412, 11.8250, 35.2708



14.1404, 11.8250, 34.1384

Sweetspot

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



13.6365, 11.8256, 2.7922



34.2697, 34.9258, 28.0350



12.1116, 6.7604, 8.4972



7.7465, 7.8490, 5.9961



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.



13.6365, 11.8256, 2.7922



22.1687, 17.6827, 2.5480



18.9072, 22.7895, 4.6307



5.2335, 5.4498, 5.3285



11.7261, 9.1865, 1.1551



0.0926, 0.0904, 0.0126

Inverse Universe

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



7.9215, 7.9379, 24.4071



11.6306, 10.5345, 42.4687



5.4967, 3.0095, 23.5836



4.9602, 5.2633, 6.3603



6.0278, 5.3259, 22.7560



0.0546, 0.0644, 0.1560

Previews

White Background



This preview shows how the XYZ color 13.6362, 11.8250, 2.7920 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 13.6362, 11.8250, 2.7920 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 13.6362, 11.8250, 2.7920

Background



This preview shows how black text looks on a background with the XYZ color 13.6362, 11.8250, 2.7920.



This preview shows how white text looks on a background with the XYZ color 13.6362, 11.8250,

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

13.6362, 11.8250, 2.7920

Protanopia

10.8559, 11.9104, 3.1656

Deuteranopia

12.0510, 11.8710, 2.6931



Tritanopia

15.1558, 11.8822, 10.0890

Trichromacy



Original Color

13.6362, 11.8250, 2.7920

Protanomaly

11.7828, 11.8549, 3.0337

Deuteranomaly

12.5344, 11.7406, 2.7041

Tritanomaly

14.4527, 11.8195, 6.5207

Monochromacy



Original Color

13.6362, 11.8250, 2.7920

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.1851, 11.1883, 7.5313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6362, 11.8250, 2.7920 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(136, 85, 30)` looks like.

```
.text, #text, p{  
    color:rgb(136, 85, 30)  
}
```

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(136, 85, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 85, 30) }
```

Border

The CSS property to change the border of an element to XYZ 13.6362, 11.8250, 2.7920 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(136, 85, 30) }
```


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

```
.border{ border-color:rgb(136, 85, 30) }
```

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

Here you see how a box with a 4 pixel rgb(136, 85, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 85, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 85, 30);  
box-shadow:4px 4px 4px 4px rgb(136, 85,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6362, 11.8250, 2.7920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 85, 30) }
```

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

```
.background{ background-color: rgb(136, 85,  
30) }
```

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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