

Converting Colors

XYZ(12.7895, 10.3226, 3.0638)

Have a look what the booklet for
XYZ(12.7895, 10.3226, 3.0638)
contains.

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Color

**XYZ(12.8417, 10.3166,
3.0647)**

Conversions

Conversions Part 1

Format	Color
Hex	874B25
RGB	135, 75, 37
RGB Percent	53%, 29%, 15%
CMY	0.4706, 0.7059, 0.8549
CMYK	0.00, 0.44, 0.73, 0.47
HSL	23°, 57%, 34%
HSV	23°, 73%, 53%
XYZ	12.8417, 10.3166, 3.0647
YIQ	88.6080, 47.9580, 0.9020

Conversions

Conversions Part 2

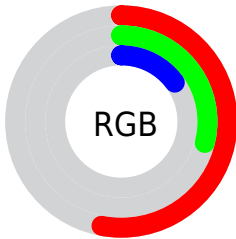
Format	Color
R_{YB}	135, 99, 37
Decimal	8866597
CIE _{Lab}	38.40, 22.06, 32.96
CIE _{LCh}	38, 39.665, 56.206
Yxy	10.3166, 0.4897, 0.3934
Android (android.graphics.Color)	4287056677 (0xFF874B25)
YUV	88.6080, -25.4427, 40.6858
Hunter-Lab	32.1195, 15.1571, 16.8264

Details

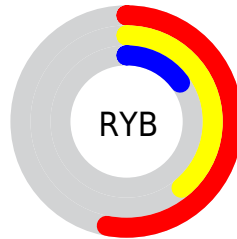
The XYZ color **12.8417, 10.3166, 3.0647** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.4105, 10.6914, 24.4893**, and the grayscale version is **9.4561, 9.9486, 10.8340**.

A 20% lighter version of the original color is **30.5461, 26.2619, 11.8466**, and **3.8327, 2.6281, 0.3053** is the 20% darker color. If you saturate the color by 10%, you get **12.1431, 9.1981, 1.9726**, and if you desaturate by 10%, it is **13.6921, 11.6132, 4.5945**.

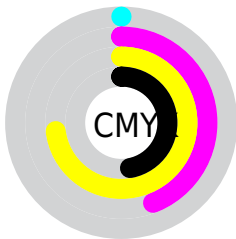
Distribution



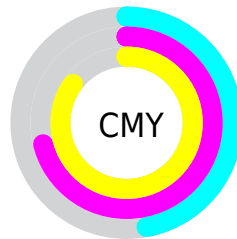
- Red (53%)
- Green (29%)
- Blue (15%)



- Red (53%)
- Yellow (39%)
- Blue (15%)



- Cyan (0%)
- Magenta (44%)
- Yellow (73%)
- Black (47%)



- Cyan (47%)
- Magenta (71%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8417, 10.3166, 3.0647 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 12.8417, 10.3166, 3.0647 by changing the saturation by 10% instead.

■ 12.8417, 10.3166,
3.0647

■ 12.8417, 10.3166,
3.0647

203.5588,
192.9170, 137.1804

■ 7.3959, 5.6094,
1.1278

■ 30.6228, 26.3893,
11.7877

■ 3.7594, 2.6090,
0.0000

■ 43.6889, 38.5236,
19.4108

■ 1.5669, 0.9312,
0.0000

■ 60.0257, 53.9023,
29.7664

■ 0.3707, 0.0000,
0.0000

■ 79.9986, 72.9100,
43.2730

■ 0.0000, 0.0000,
0.0000

■ 103.9730, 95.9308,
60.3492

■ 132.3143,

123.3494, 81.4135

165.3878,
155.5500, 106.8844

12.8417, 10.3166,
3.0647

12.8417, 10.3166,
3.0647

12.1431, 9.1981,
1.9726

13.6921, 11.6132,
4.5945

11.5835, 8.2470,
1.2685

14.7039, 13.0948,
6.6032

11.2354, 7.6384,
0.8822

15.8868, 14.7695,
9.1277

17.2492, 16.6447,
12.2013

18.7991, 18.7271,
15.8543

■ 20.5439, 21.0233,
20.1149

■ 22.4905, 23.5393,
25.0092

■ 24.6455, 26.2811,
30.5621

■ 27.0152, 29.2544,
36.7970

Harmonies

Analogous

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



14.9817, 10.3166, 6.0421



12.8417, 10.3166, 3.0647



10.1385, 10.3166, 2.1698

Triad

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



12.8417, 10.3166, 3.0647



5.6316, 10.3166, 10.3163



12.1711, 10.3166, 29.4827

Complementary

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



12.8417, 10.3166, 3.0647



9.4105, 10.6914, 24.4893

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.



9.4801, 10.3166, 32.2953



12.8417, 10.3166, 3.0647



5.9846, 10.3166, 18.7742

Square

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



12.8417, 10.3166, 3.0647



6.2246, 10.3166, 5.0250



7.2903, 10.3166, 27.7247



14.5492, 10.3166, 21.1694

Rectangle

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



12.8417, 10.3166, 3.0647



8.4814, 10.3166, 2.3535



7.2903, 10.3166, 27.7247



11.2609, 10.3166, 31.2256

Sweetspot

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



12.8419, 10.3171, 3.0649



33.6950, 33.5757, 28.4625



12.8312, 7.3452, 12.1570



7.6476, 7.5682, 6.2190



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.



12.8419, 10.3171, 3.0649



21.0816, 15.3557, 2.6568



17.4791, 19.5914, 4.6106



4.8097, 4.9630, 4.9338



10.3728, 7.0681, 0.8176



0.0427, 0.0379, 0.0051

Inverse Universe

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



9.4105, 10.6914, 24.4893



14.4954, 15.9402, 43.3611



6.2109, 4.2922, 23.4228



4.6540, 4.9836, 5.9174



6.8734, 7.2946, 22.1824



0.0309, 0.0395, 0.0792

Previews

White Background



This preview shows how the XYZ color 12.8417, 10.3166, 3.0647 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 12.8417, 10.3166, 3.0647 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 12.8417, 10.3166, 3.0647

Background



This preview shows how black text looks on a background with the XYZ color 12.8417, 10.3166, 3.0647.



This preview shows how white text looks on a background with the XYZ color 12.8417, 10.3166,

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

12.8417, 10.3166, 3.0647

Protanopia

9.5258, 10.4160, 3.6989

Deuteranopia

10.4266, 10.2818, 2.9484



Tritanopia

13.8743, 10.3466, 8.1033

Trichromacy



Original Color

12.8417, 10.3166, 3.0647

Protanomaly

10.4416, 10.1609, 3.4184

Deuteranomaly

11.2058, 10.2209, 2.9723

Tritanomaly

13.3402, 10.2168, 5.8264

Monochromacy



Original Color

12.8417, 10.3166, 3.0647

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.2197, 9.8470, 7.1564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8417, 10.3166, 3.0647 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(135, 75, 37)` looks like.

```
.text, #text, p{  
    color:rgb(135, 75, 37)  
}
```

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(135, 75, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 75, 37) }
```

Border

The CSS property to change the border of an element to XYZ 12.8417, 10.3166, 3.0647 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(135, 75, 37) }
```


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

```
.border{ border-color:rgb(135, 75, 37) }
```

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

Here you see how a box with a 4 pixel rgb(135, 75, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 75, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 75, 37);  
box-shadow:4px 4px 4px 4px rgb(135, 75,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8417, 10.3166, 3.0647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 75, 37) }
```

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

```
.background{ background-color: rgb(135, 75,  
37) }
```

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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