

Converting Colors

XYZ(16.7812, 13.8135, 2.5924)

Have a look what the booklet for
XYZ(16.7812, 13.8135, 2.5924)
contains.

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Color

**XYZ(16.7812, 13.8136,
2.5924)**

Conversions

Conversions Part 1

Format	Color
Hex	995817
RGB	153, 88, 23
RGB Percent	60%, 35%, 9%
CMY	0.4000, 0.6549, 0.9098
CMYK	0.00, 0.42, 0.85, 0.40
HSL	30°, 74%, 35%
HSV	30°, 85%, 60%
XYZ	16.7812, 13.8136, 2.5924
YIQ	100.0250, 59.6050, -6.4350

Conversions

Conversions Part 2

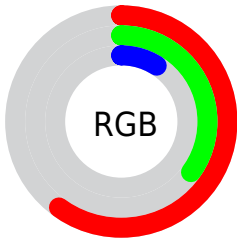
Format	Color
R_{YB}	153, 153, 23
Decimal	10049559
CIE _{Lab}	43.96, 22.03, 45.85
CIE _{LCh}	44, 50.869, 64.335
Y _{xy}	13.8136, 0.5057, 0.4162
Android (android.graphics.Color)	4288239639 (0xFF995817)
YUV	100.0250, -37.9733, 46.4591
Hunter-Lab	37.1667, 15.5533, 21.8811

Details

The XYZ color **16.7812, 13.8136, 2.5924** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.5925, 9.4609, 31.4572**, and the grayscale version is **12.2031, 12.8386, 13.9812**.

A 20% lighter version of the original color is **37.4425, 32.6550, 10.6330**, and **5.6518, 4.1427, 0.5017** is the 20% darker color. If you saturate the color by 10%, you get **16.0737, 12.5786, 1.8019**, and if you desaturate by 10%, it is **17.6429, 15.2169, 3.8666**.

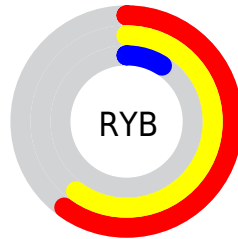
Distribution



Red (60%)

Green (35%)

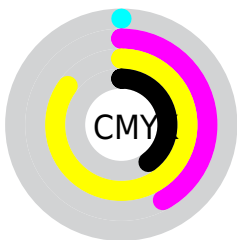
Blue (9%)



Red (60%)

Yellow (60%)

Blue (9%)

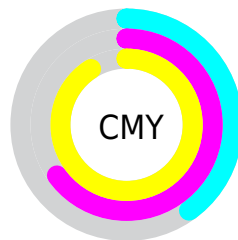


Cyan (0%)

Magenta (42%)

Yellow (85%)

Black (40%)



Cyan (40%)

Magenta (65%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7812, 13.8136, 2.5924 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 16.7812, 13.8136, 2.5924 by changing the saturation by 10% instead.

■ 16.7812, 13.8136,
2.5924

■ 16.7812, 13.8136,
2.5924

227.0892,
216.0681, 130.9868

■ 10.1730, 7.9911,
0.8885

■ 37.4958, 32.7579,
10.6049

■ 5.5769, 4.0893,
0.0000

■ 52.3329, 46.6486,
17.7526

■ 2.6278, 1.7236,
0.0000

■ 70.6436, 63.9974,
27.5526

■ 0.9601, 0.4389,
0.0000


■ 92.7933, 85.1888,
40.4235


■ 0.0000, 0.0000,
0.0000


■ 119.1473,
110.6072, 56.7839


■ 150.0711,


140.6369, 77.0522


 185.9300,
175.6625, 101.6470


 16.7812, 13.8136,
2.5924


 16.7812, 13.8136,
2.5924


 16.0737, 12.5786,
1.8019


 17.6429, 15.2169,
3.8666

 15.7561, 12.0109,
1.4879

 18.6738, 16.7959,
5.6989

 19.8872, 18.5593,
8.1483

 21.2945, 20.5147,
11.2663

 22.9060, 22.6689,
15.0987

■ 24.7313, 25.0284,
19.6872

■ 26.7791, 27.5993,
25.0705

■ 29.0577, 30.3873,
31.2843

■ 31.5750, 33.3981,
38.3624

Harmonies

Analogous

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



20.6273, 13.8136, 5.6722



16.7812, 13.8136, 2.5924



12.5521, 13.8136, 1.9879

Triad

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



16.7812, 13.8136, 2.5924



6.8173, 13.8136, 16.7820



18.0051, 13.8136, 41.8306

Complementary

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



16.7812, 13.8136, 2.5924



9.5925, 9.4609, 31.4572

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.



13.7241, 13.8136, 49.8157



16.7812, 13.8136, 2.5924



7.7121, 13.8136, 31.3594

Square

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



16.7812, 13.8136, 2.5924



7.3084, 13.8136, 7.3287



10.0500, 13.8136, 45.2379



21.4294, 13.8136, 26.8508

Rectangle

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



16.7812, 13.8136, 2.5924



10.1871, 13.8136, 2.5255



10.0500, 13.8136, 45.2379



16.5899, 13.8136, 45.6932

Sweetspot

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



16.7815, 13.8143, 2.5926



44.1091, 44.5912, 34.7892



15.2046, 8.0897, 9.9927



9.5002, 9.5392, 7.0714



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.7815, 13.8143, 2.5926



28.0319, 21.1389, 2.6028



24.6825, 29.6163, 5.2263



6.4512, 6.7074, 6.5605



13.0557, 9.9938, 1.2409



0.2315, 0.2221, 0.0307

Inverse Universe

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



9.5925, 9.4609, 31.4572



14.8012, 13.1268, 55.7256



6.4095, 3.0949, 30.3962



6.1268, 6.5110, 7.8628



6.9498, 6.2962, 25.7567



0.1402, 0.1668, 0.3972

Previews

White Background



This preview shows how the XYZ color 16.7812, 13.8136, 2.5924 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 16.7812, 13.8136, 2.5924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

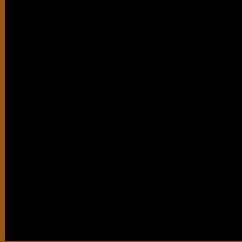
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.7812, 13.8136, 2.5924

Background



This preview shows how black text looks on a background with the XYZ color 16.7812, 13.8136, 2.5924.



This preview shows how white text looks on a background with the XYZ color 16.7812, 13.8136,

2.5924.

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

16.7812, 13.8136, 2.5924

Protanopia

12.5855, 13.9642, 3.0689

Deuteranopia

14.0787, 13.8697, 2.4654



Tritanopia

18.4890, 13.8071, 10.9231

Trichromacy



Original Color

16.7812, 13.8136, 2.5924

Protanomaly

13.8542, 13.7441, 2.9000

Deuteranomaly

15.0250, 13.8069, 2.4892

Tritanomaly

17.6133, 13.6794, 6.5625

Monochromacy



Original Color

16.7812, 13.8136, 2.5924

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.9603, 12.7556, 7.9099

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7812, 13.8136, 2.5924 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(153, 88, 23)` looks like.

```
.text, #text, p{  
    color:rgb(153, 88, 23)  
}
```

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(153, 88, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 88, 23) }
```

Border

The CSS property to change the border of an element to XYZ 16.7812, 13.8136, 2.5924 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(153, 88, 23) }
```


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

```
.border{ border-color:rgb(153, 88, 23) }
```

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

Here you see how a box with a 4 pixel rgb(153, 88, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 88, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 88, 23);  
box-shadow:4px 4px 4px 4px rgb(153, 88,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7812, 13.8136, 2.5924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 88, 23) }
```

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

```
.background{ background-color: rgb(153, 88,  
23) }
```

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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