

Converting Colors

XYZ(16.5111, 14.2077, 2.9834)

Have a look what the booklet for
XYZ(16.5111, 14.2077, 2.9834)
contains.

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Color

**XYZ(16.4312, 14.1277,
2.9595)**

Conversions

Conversions Part 1

Format	Color
Hex	955C1C
RGB	149, 92, 28
RGB Percent	58%, 36%, 11%
CMY	0.4157, 0.6392, 0.8902
CMYK	0.00, 0.38, 0.81, 0.42
HSL	32°, 68%, 35%
HSV	32°, 81%, 58%
XYZ	16.4312, 14.1277, 2.9595
YIQ	101.7470, 54.5160, -7.8200

Conversions

Conversions Part 2

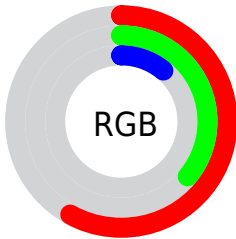
Format	Color
R_{YB}	136, 149, 28
Decimal	9788444
CIE Lab	44.42, 18.12, 44.03
CIE LCh	44, 47.615, 67.628
Yxy	14.1277, 0.4902, 0.4215
Android (android.graphics.Color)	4287978524 (0xFF955C1C)
YUV	101.7470, -36.3573, 41.4409
Hunter-Lab	37.5868, 12.2549, 21.6424

Details

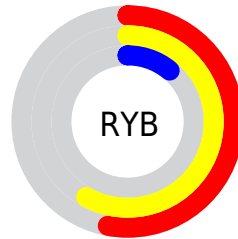
The XYZ color **16.4312, 14.1277, 2.9595** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.1520, 8.9134, 29.6717**, and the grayscale version is **12.6455, 13.3041, 14.4881**.

A 20% lighter version of the original color is **36.7447, 33.1472, 11.4826**, and **5.4912, 4.2811, 0.5369** is the 20% darker color. If you saturate the color by 10%, you get **15.7151, 12.9136, 2.0485**, and if you desaturate by 10%, it is **17.2926, 15.4913, 4.3548**.

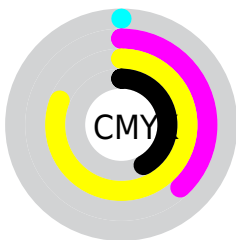
Distribution



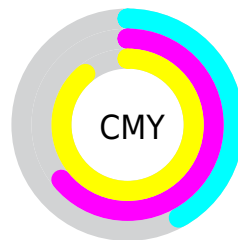
- Red (58%)
- Green (36%)
- Blue (11%)



- Red (53%)
- Yellow (58%)
- Blue (11%)



- Cyan (0%)
- Magenta (38%)
- Yellow (81%)
- Black (42%)





- Cyan (42%)
- Magenta (64%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4312, 14.1277, 2.9595 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 16.4312, 14.1277, 2.9595 by changing the saturation by 10% instead.


 16.4312, 14.1277,
2.9595


 16.4312, 14.1277,
2.9595


225.0936,
218.0238, 135.8431


 9.9226, 8.2095,
1.0740


 36.8966, 33.3154,
11.5283


 5.4095, 4.2293,
0.0000

 51.5841, 47.3538,
19.0487

 2.5267, 1.8027,
0.0000

 69.7286, 64.8677,
29.2845

 0.9087, 0.4888,
0.0000

 91.6955, 86.2415,
42.6542

 0.0000, 0.0000,
0.0000

 117.8500,
111.8596, 59.5764

 148.5577,

142.1065, 80.4696

184.1837,
177.3664, 105.7523

16.4312, 14.1277,
2.9595

16.4312, 14.1277,
2.9595

15.7151, 12.9136,
2.0485

17.2926, 15.4913,
4.3548

15.1770, 11.9547,
1.5076

18.3114, 17.0096,
6.2947

19.4989, 18.6903,
8.8315

20.8653, 20.5394,
12.0111

22.4195, 22.5627,
15.8747

■ 24.1700, 24.7656,
20.4601

■ 26.1246, 27.1531,
25.8024

■ 28.2906, 29.7302,
31.9343

■ 30.6749, 32.5015,
38.8865

Harmonies

Analogous

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



20.1472, 14.1277, 5.7636



16.4312, 14.1277, 2.9595



12.4738, 14.1277, 2.5167

Triad

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



16.4312, 14.1277, 2.9595



7.3705, 14.1277, 18.3560



18.4456, 14.1277, 38.8683

Complementary

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



16.4312, 14.1277, 2.9595



9.1520, 8.9134, 29.6717

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.



14.4295, 14.1277, 47.1946



16.4312, 14.1277, 2.9595



8.3983, 14.1277, 32.1903

Square

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



16.4312, 14.1277, 2.9595



7.7034, 14.1277, 8.6694



10.8149, 14.1277, 44.2975



21.4559, 14.1277, 24.8900

Rectangle

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



16.4312, 14.1277, 2.9595



10.2937, 14.1277, 3.2404



10.8149, 14.1277, 44.2975



17.1414, 14.1277, 42.6635

Sweetspot

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



16.4315, 14.1284, 2.9598



42.2177, 43.0220, 33.8014



14.5090, 7.8999, 9.6669



9.1313, 9.2516, 6.9020



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.4315, 14.1284, 2.9598



27.3058, 21.6098, 2.8989



22.9866, 27.7801, 5.2493



6.0395, 6.2927, 6.1368



12.8035, 10.1214, 1.2788



0.1862, 0.1829, 0.0255

Inverse Universe

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



9.1520, 8.9134, 29.6717



13.8231, 11.9938, 52.5077



6.3761, 3.2768, 28.7301



5.7113, 6.0565, 7.3377



6.4482, 5.5912, 24.6704



0.1080, 0.1267, 0.3117

Previews

White Background



This preview shows how the XYZ color 16.4312, 14.1277, 2.9595 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 16.4312, 14.1277, 2.9595 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 16.4312, 14.1277, 2.9595

Background



This preview shows how black text looks on a background with the XYZ color 16.4312, 14.1277, 2.9595.



This preview shows how white text looks on a background with the XYZ color 16.4312, 14.1277,

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

16.4312, 14.1277, 2.9595

Protanopia

12.8860, 14.2639, 3.4405

Deuteranopia

14.3949, 14.1668, 2.8399



Tritanopia

18.2085, 14.1037, 11.8878

Trichromacy



Original Color

16.4312, 14.1277, 2.9595

Protanomaly

13.9543, 14.0734, 3.2773

Deuteranomaly

15.0976, 14.1085, 2.8472

Tritanomaly

17.3264, 13.9884, 7.4171

Monochromacy



Original Color

16.4312, 14.1277, 2.9595

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.2454, 13.1653, 8.4997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4312, 14.1277, 2.9595 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(149, 92, 28)` looks like.

```
.text, #text, p{  
    color:rgb(149, 92, 28)  
}
```

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(149, 92, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 92, 28) }
```

Border

The CSS property to change the border of an element to XYZ 16.4312, 14.1277, 2.9595 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(149, 92, 28) }
```


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

```
.border{ border-color:rgb(149, 92, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 92, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 92, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 92, 28);  
box-shadow:4px 4px 4px 4px rgb(149, 92,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4312, 14.1277, 2.9595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 92, 28) }
```

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

```
.background{ background-color: rgb(149, 92,  
28) }
```

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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