

Converting Colors

XYZ(12.4840, 11.1491, 1.9572)

Have a look what the booklet for
XYZ(12.4840, 11.1491, 1.9572)
contains.

XYZ(12.4625, 11.1210, 1.9417)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.4625, 11.1210,
1.9417)**

Conversions

Conversions Part 1

Format	Color
Hex	82540F
RGB	130, 84, 15
RGB Percent	51%, 33%, 6%
CMY	0.4902, 0.6706, 0.9412
CMYK	0.00, 0.35, 0.88, 0.49
HSL	36°, 79%, 28%
HSV	36°, 88%, 51%
XYZ	12.4625, 11.1210, 1.9417
YIQ	89.8880, 49.5650, -11.7070

Conversions

Conversions Part 2

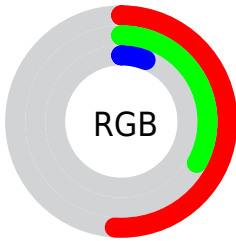
Format	Color
RYB	92, 130, 15
Decimal	8541199
CIELab	39.78, 13.57, 43.93
CIELCh	40, 45.974, 72.834
Yxy	11.1210, 0.4882, 0.4357
Android (android.graphics.Color)	4286731279 (0xFF82540F)
YUV	89.8880, -36.9198, 35.1782
Hunter-Lab	33.3482, 8.3477, 19.8915

Details

The XYZ color **12.4625, 11.1210, 1.9417** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **5.8950, 5.0507, 21.7831**, and the grayscale version is **9.7658, 10.2744, 11.1888**.

A 20% lighter version of the original color is **29.9727, 27.9966, 8.8252**, and **3.7060, 2.9875, 0.3813** is the 20% darker color. If you saturate the color by 10%, you get **11.9987, 10.3140, 1.4159**, and if you desaturate by 10%, it is **13.0049, 12.0084, 2.7313**.

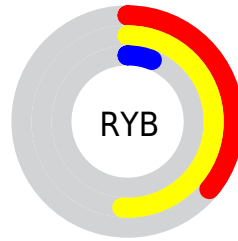
Distribution



Red (51%)

Green (33%)

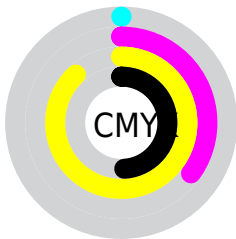
Blue (6%)



Red (36%)

Yellow (51%)

Blue (6%)

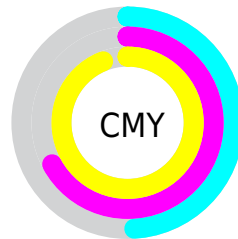


Cyan (0%)

Magenta (35%)

Yellow (88%)

Black (49%)



Cyan (49%)

Magenta (67%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4625, 11.1210, 1.9417 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 12.4625, 11.1210, 1.9417 by changing the saturation by 10% instead.

■ 12.4625, 11.1210,
1.9417

■ 12.4625, 11.1210,
1.9417

201.1516,
198.4958, 121.4648

■ 7.1339, 6.1483,
0.5191

■ 29.9443, 27.8837,
8.8808

■ 3.5931, 2.9355,
0.0000

■ 42.8282, 40.4425,
15.2993

■ 1.4746, 1.0981,
0.0000

■ 58.9613, 56.2987,
24.2420

■ 0.3085, 0.0000,
0.0000


■ 78.7089, 75.8368,
36.1272


■ 0.0000, 0.0000,
0.0000


■ 102.4364, 99.4412,
51.3735


■ 130.5091,


127.4962, 70.3996


 163.2924,
160.3863, 93.6238


 12.4625, 11.1210,
1.9417


 12.4625, 11.1210,
1.9417


 11.9987, 10.3140,
1.4159


 13.0049, 12.0084,
2.7313

 11.9304, 10.1950,
1.3390

 13.6448, 12.9833,
3.8850

 14.3910, 14.0506,
5.4440

 15.2506, 15.2141,
7.4436

 16.2302, 16.4774,
9.9152

■ 17.3356, 17.8438,
12.8873

■ 18.5725, 19.3163,
16.3862

■ 19.9458, 20.8978,
20.4363

■ 21.4606, 22.5911,
25.0605

Harmonies

Analogous

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



15.6690, 11.1210, 3.7242



12.4625, 11.1210, 1.9417



9.2797, 11.1210, 1.8432

Triad

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



12.4625, 11.1210, 1.9417



5.6921, 11.1210, 16.3902



15.2515, 11.1210, 29.8278

Complementary

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



12.4625, 11.1210, 1.9417



5.8950, 5.0507, 21.7831

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.



11.9750, 11.1210, 38.1562



12.4625, 11.1210, 1.9417



6.7182, 11.1210, 28.1671

Square

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



12.4625, 11.1210, 1.9417



5.7710, 11.1210, 7.6730



8.8798, 11.1210, 37.4308



17.4860, 11.1210, 17.9907

Rectangle

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



12.4625, 11.1210, 1.9417



7.6117, 11.1210, 2.5941



8.8798, 11.1210, 37.4308



14.2103, 11.1210, 33.3439

Sweetspot

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



12.4627, 11.1216, 1.9419



30.7050, 31.6368, 23.1808



10.2191, 5.4245, 4.9236



6.8212, 7.0045, 4.8925



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.4627, 11.1216, 1.9419



20.8645, 17.6620, 2.3094



15.6081, 19.8863, 3.4679



4.5255, 4.7397, 4.5965



11.4463, 9.7890, 1.2862



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.8950, 5.0507, 21.7831



9.1219, 6.8903, 38.0417



4.6391, 2.1798, 21.2952



4.2390, 4.4721, 5.4531



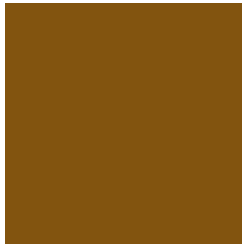
5.0471, 3.9128, 20.7392



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4625, 11.1210, 1.9417 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



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 12.4625, 11.1210, 1.9417

Background



This preview shows how black text looks on a background with the XYZ color 12.4625, 11.1210, 1.9417.



This preview shows how white text looks on a background with the XYZ color 12.4625, 11.1210,

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

12.4625, 11.1210, 1.9417

Protanopia

10.0557, 11.1133, 2.1873

Deuteranopia

11.2349, 11.0886, 1.8353



Tritanopia

13.9975, 11.0754, 9.7875

Trichromacy



Original Color

12.4625, 11.1210, 1.9417

Protanomaly

10.8276, 10.9976, 2.0824

Deuteranomaly

11.6429, 11.0539, 1.8678

Tritanomaly

13.1738, 10.9586, 5.5586

Monochromacy



Original Color

12.4625, 11.1210, 1.9417

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.2126, 10.3416, 6.1605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4625, 11.1210, 1.9417 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(130, 84, 15)` looks like.

```
.text, #text, p{  
    color:rgb(130, 84, 15)  
}
```

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(130, 84, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 84, 15) }
```

Border

The CSS property to change the border of an element to XYZ 12.4625, 11.1210, 1.9417 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(130, 84, 15) }
```


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

```
.border{ border-color:rgb(130, 84, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 84, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 84, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 84, 15);  
box-shadow:4px 4px 4px 4px rgb(130, 84,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4625, 11.1210, 1.9417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 84, 15) }
```

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

```
.background{ background-color: rgb(130, 84,  
15) }
```

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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