

# Converting Colors

XYZ(14.4005, 11.2260, 2.5623)

Have a look what the booklet for  
XYZ(14.4005, 11.2260, 2.5623)  
contains.

<b>XYZ(14.4833, 11.2773, 2.5758)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(14.4833, 11.2773,  
2.5758)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	914C1D
RGB	145, 76, 29
RGB Percent	57%, 30%, 11%
CMY	0.4314, 0.7019, 0.8863
CMYK	0.00, 0.48, 0.80, 0.43
HSL	24°, 67%, 34%
HSV	24°, 80%, 57%
XYZ	14.4833, 11.2773, 2.5758
YIQ	91.2730, 56.2110, 0.0110

# Conversions

## Conversions Part 2

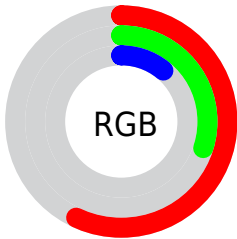
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	145, 108, 29
Decimal	9522205
CIE Lab	40.04, 25.50, 39.21
CIE LCh	40, 46.773, 56.970
Yxy	11.2773, 0.5111, 0.3980
Android (android.graphics.Color)	4287712285 (0xFF914C1D)
YUV	91.2730, -30.7006, 47.1186
Hunter-Lab	33.5817, 18.2165, 18.9595

# Details

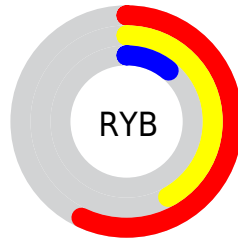
The XYZ color **14.4833, 11.2773, 2.5758** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **9.9850, 11.0405, 28.3928**, and the grayscale version is **10.0653, 10.5894, 11.5319**.

A 20% lighter version of the original color is **33.6672, 28.2809, 10.5218**, and **4.5841, 3.0524, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **13.7895, 10.1124, 1.6586**, and if you desaturate by 10%, it is **15.3417, 12.6366, 3.9646**.

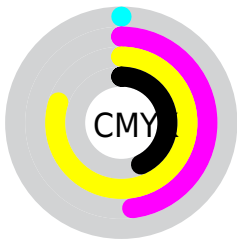
# Distribution



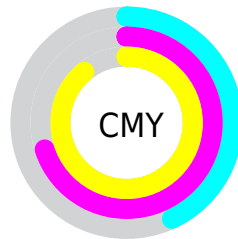
- Red (57%)
- Green (30%)
- Blue (11%)



- Red (57%)
- Yellow (42%)
- Blue (11%)



- Cyan (0%)
- Magenta (48%)
- Yellow (80%)
- Black (43%)




- Cyan (43%)
- Magenta (70%)
- Yellow (89%)
- Black (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4833, 11.2773, 2.5758 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 14.4833, 11.2773, 2.5758 by changing the saturation by 10% instead.





 14.4833, 11.2773,  
2.5758


 14.4833, 11.2773,  
2.5758


213.6681,  
199.5602, 130.7596


 8.5415, 6.2537,  
0.8799


 33.5233, 28.1718,  
10.5624


 4.4981, 2.9999,  
0.0000

 47.3522, 40.8115,  
17.6927


 1.9876, 1.1317,  
0.0000

 64.5409, 56.7586,  
27.4723

 0.6270, 0.0048,  
0.0000

 85.4547, 76.3976,  
40.3198

 0.0000, 0.0000,  
0.0000

 110.4589,  
100.1129, 56.6537

 139.9190,

128.2888, 76.8927

174.2003,  
161.3098, 101.4551

14.4833, 11.2773,  
2.5758

14.4833, 11.2773,  
2.5758

13.7895, 10.1124,  
1.6586

15.3417, 12.6366,  
3.9646

13.2284, 9.1225,  
1.0637

16.3774, 14.1985,  
5.8806

13.2284, 9.1224,  
1.0636

17.6026, 15.9730,  
8.3724

19.0277, 17.9685,  
11.4826

20.6626, 20.1931,  
15.2498

■ 22.5163, 22.6544,  
19.7095

■ 24.5973, 25.3595,  
24.8945

■ 26.9135, 28.3152,  
30.8356

■ 29.4726, 31.5282,  
37.5618

# Harmonies

## Analogous

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



17.2804, 11.2773, 5.8376



14.4833, 11.2773, 2.5758



11.0513, 11.2773, 1.6931

# Triad

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



14.4833, 11.2773, 2.5758



5.6260, 11.2773, 11.3603



13.7976, 11.2773, 36.0131

# Complementary

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



14.4833, 11.2773, 2.5758



9.9850, 11.0405, 28.3928

# 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.



10.3929, 11.2773, 40.0794



14.4833, 11.2773, 2.5758



6.0722, 11.2773, 22.2710

# Square

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



14.4833, 11.2773, 2.5758



6.3003, 11.2773, 4.8985



7.6705, 11.2773, 34.1159



16.8318, 11.2773, 24.7887



# Rectangle

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



14.4833, 11.2773, 2.5758



9.0023, 11.2773, 1.9017



7.6705, 11.2773, 34.1159



12.6406, 11.2773, 38.4486

# Sweetspot

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



14.4836, 11.2779, 2.5760



38.7797, 38.5333, 31.5443



14.3495, 7.7918, 12.4522



8.3946, 8.2628, 6.4608



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844



# Same Dimension

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



14.4836, 11.2779, 2.5760



23.8920, 16.6746, 2.1760



20.3412, 22.9933, 4.5286



5.5771, 5.7604, 5.7073



11.3708, 7.8732, 0.9204



0.1294, 0.1167, 0.0157



# Inverse Universe

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



9.9850, 11.0405, 28.3928



15.4119, 16.0392, 50.2571



6.3968, 3.8640, 27.1967



5.3794, 5.7546, 6.8560



7.2808, 7.5477, 24.0502



0.0913, 0.1155, 0.2372



# Previews

## White Background



This preview shows how the XYZ color 14.4833, 11.2773, 2.5758 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 14.4833, 11.2773, 2.5758 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 14.4833, 11.2773, 2.5758**

## **Background**



This preview shows how black text looks on a background with the XYZ color 14.4833, 11.2773, 2.5758.



This preview shows how white text looks on a background with the XYZ color 14.4833, 11.2773,

2.5758.

# 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

14.4833, 11.2773, 2.5758

### Protanopia

10.3248, 11.3641, 3.1627

### Deuteranopia

11.4288, 11.3002, 2.4430



## Tritanopia

15.5904, 11.2313, 8.1836

# Trichromacy



## Original Color

14.4833, 11.2773, 2.5758

## Protanomaly

11.4962, 11.0768, 2.8986

## Deuteranomaly

12.3370, 11.1608, 2.4813

## Tritanomaly

15.0260, 11.1918, 5.5060

# Monochromacy



## Original Color

14.4833, 11.2773, 2.5758

## Achromatopsia

9.9438, 10.4616, 11.3927

## Achromatomaly

10.9267, 10.4524, 6.9105

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 14.4833, 11.2773, 2.5758 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(145, 76, 29)` looks like.

```
.text, #text, p{  
    color:rgb(145, 76, 29)  
}
```

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(145, 76, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 76, 29) }
```

## Border

The CSS property to change the border of an element to XYZ 14.4833, 11.2773, 2.5758 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(145, 76, 29) }
```



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

```
.border{ border-color:rgb(145, 76, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 76, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 76, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 76, 29);  
box-shadow:4px 4px 4px 4px rgb(145, 76,  
29) }
```

# Background

The CSS property to change the background color of an element to XYZ 14.4833, 11.2773, 2.5758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 76, 29) }
```

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

```
.background{ background-color: rgb(145, 76,  
29) }
```

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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