

# Converting Colors

XYZ(25.6554, 14.3444, 1.4166)

Have a look what the booklet for  
XYZ(25.6554, 14.3444, 1.4166)  
contains.

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# Color

**XYZ(25.6606, 14.3550,  
1.4183)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC2800
RGB	204, 40, 0
RGB Percent	80%, 16%, 0%
CMY	0.2000, 0.8431, 1.0000
CMYK	0.00, 0.80, 1.00, 0.20
HSL	12°, 100%, 40%
HSV	12°, 100%, 80%
XYZ	25.6606, 14.3550, 1.4183
YIQ	84.4760, 110.5840, 22.3280

# Conversions

## Conversions Part 2

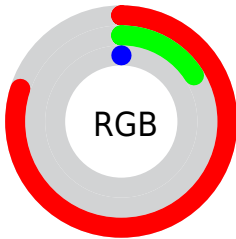
Format	Color
<a href="#">RYB</a>	204, 50, 0
Decimal	13379584
CIELab	44.74, 61.36, 57.66
CIElCh	45, 84.199, 43.223
Yxy	14.3550, 0.6193, 0.3465
Android (android.graphics.Color)	4291569664 (0xFFCC2800)
YUV	84.4760, -41.6467, 104.8225
Hunter-Lab	37.8880, 54.5896, 24.3021

# Details

The XYZ color **25.6606, 14.3550, 1.4183** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **24.1715, 30.9046, 61.8173**, and the grayscale version is **8.5946, 9.0422, 9.8470**.

A 20% lighter version of the original color is **46.5833, 30.8432, 7.1126**, and **10.8152, 5.5754, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **25.6609, 14.3559, 1.4185**, and if you desaturate by 10%, it is **26.4658, 15.7579, 2.3273**.

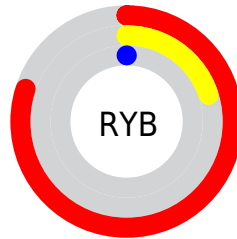
# Distribution



Red (80%)

Green (16%)

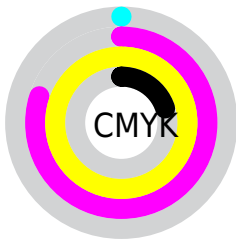
Blue (0%)



Red (80%)

Yellow (20%)

Blue (0%)

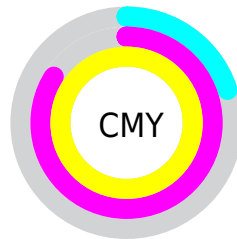


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (84%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 25.6606, 14.3550, 1.4183 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 25.6606, 14.3550, 1.4183 by changing the saturation by 10% instead.





 25.6606, 14.3550,  
1.4183


 25.6606, 14.3550,  
1.4183

 273.3993,  
219.4283, 112.5664


 16.7013, 8.3680,  
0.1559


 52.1621, 33.7176,  
7.3789


 10.1157, 4.3313,  
0.0000


 70.4350, 47.8620,  
13.1191

 5.5386, 1.8606,  
0.0000


 92.5431, 65.4943,  
21.2573

 2.6046, 0.5245,  
0.0000

 118.8518, 86.9989,  
32.2119


 0.9483, 0.0000,  
0.0000


 149.7264,  
112.7602, 46.4016


 0.0000, 0.0000,  
0.0000


 185.5323,


143.1626, 64.2449


 226.6348,  
178.5905, 86.1603


 25.6606, 14.3550,  
1.4183


 25.6606, 14.3550,  
1.4183


 25.6609, 14.3559,  
1.4185

 26.4658, 15.7579,  
2.3273

 27.6686, 17.7364,  
4.0448

 29.3392, 20.3563,  
6.8260

 31.5233, 23.6681,  
10.8101

 34.2603, 27.7175,  
16.1147

■ 37.5861, 32.5460,  
22.8436

■ 41.5332, 38.1920,  
31.0900

■ 46.1316, 44.6912,  
40.9391

■ 51.4095, 52.0774,  
52.4701

# Harmonies

## Analogous

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



30.8904, 14.3550, 8.4952



25.6606, 14.3550, 1.4183



17.8076, 14.3550, 0.0000

# Triad

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



25.6606, 14.3550, 1.4183



4.5227, 14.3550, 7.0778



16.8821, 14.3550, 88.5549

# Complementary

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



25.6606, 14.3550, 1.4183



24.1715, 30.9046, 61.8173

# 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.



10.1859, 14.3550, 86.6451



25.6606, 14.3550, 1.4183



4.4223, 14.3550, 25.9371

# Square

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



25.6606, 14.3550, 1.4183



6.4685, 14.3550, 1.1099



6.1237, 14.3550, 58.2760



24.7908, 14.3550, 62.3433



# Rectangle

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



25.6606, 14.3550, 1.4183



12.9172, 14.3550, 0.0000



6.1237, 14.3550, 58.2760



14.3975, 14.3550, 91.5757

# Sweetspot

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



25.6609, 14.3559, 1.4185



68.5082, 62.8585, 50.9053



31.8396, 15.6125, 37.7007



14.0421, 12.5682, 9.5889



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



25.6609, 14.3559, 1.4185



42.3814, 23.5429, 2.3105



34.1921, 31.4184, 4.2622



11.3875, 11.5640, 11.7113



16.2040, 9.1409, 0.9103



0.8900, 0.5797, 0.0650

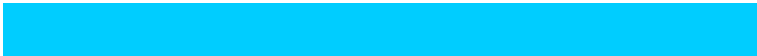


# Inverse Universe

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



24.1715, 30.9046, 61.8173



39.8766, 50.8732, 102.3255



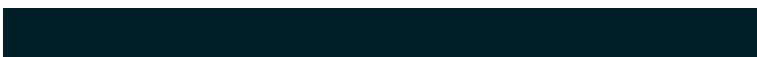
12.7664, 8.0944, 58.0156



11.3490, 12.3385, 14.3538



15.2801, 19.5841, 38.9310



0.8373, 1.1084, 2.0247



# Previews

## White Background



This preview shows how the XYZ color 25.6606, 14.3550, 1.4183 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 25.6606, 14.3550, 1.4183 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 25.6606, 14.3550, 1.4183**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.6606, 14.3550, 1.4183.



This preview shows how white text looks on a background with the XYZ color 25.6606, 14.3550,



# 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

25.6606, 14.3550, 1.4183

### Protanopia

13.1683, 14.5744, 2.9833

### Deuteranopia

14.7430, 14.6536, 2.0514



## Tritanopia

25.9289, 14.3572, 3.1549

# Trichromacy



## Original Color

25.6606, 14.3550, 1.4183

## Protanomaly

15.9420, 12.8003, 2.0824

## Deuteranomaly

17.2932, 13.0655, 1.6105

## Tritanomaly

25.7922, 14.3544, 2.2754

# Monochromacy



## Original Color

25.6606, 14.3550, 1.4183

## Achromatopsia

8.4267, 8.8656, 9.6546

## Achromatomaly

11.6118, 8.9805, 4.4896

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.6606, 14.3550, 1.4183 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(204, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 40, 0)  
}
```

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(204, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 40, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 25.6606, 14.3550, 1.4183 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(204, 40, 0) }
```



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

```
.border{ border-color:rgb(204, 40, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 40, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 40, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 25.6606, 14.3550, 1.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 40, 0) }
```

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

```
.background{ background-color: rgb(204, 40,  
0) }
```

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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