

# Converting Colors

XYZ(25.5708, 14.1754, 1.3884)

Have a look what the booklet for  
XYZ(25.5708, 14.1754, 1.3884)  
contains.

<b>XYZ(25.5634, 14.1605, 1.3859)</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(25.5634, 14.1605,  
1.3859)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC2500
RGB	204, 37, 0
RGB Percent	80%, 15%, 0%
CMY	0.2000, 0.8548, 1.0000
CMYK	0.00, 0.82, 1.00, 0.20
HSL	11°, 100%, 40%
HSV	11°, 100%, 80%
XYZ	25.5634, 14.1605, 1.3859
YIQ	82.7150, 111.4090, 23.8970

# Conversions

## Conversions Part 2

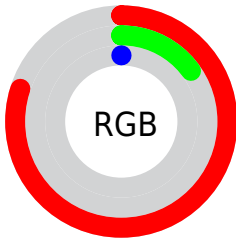
Format	Color
<a href="#">RYB</a>	204, 45, 0
Decimal	13378816
CIELab	44.46, 62.13, 57.55
CIELCh	44, 84.691, 42.805
Yxy	14.1605, 0.6218, 0.3445
Android (android.graphics.Color)	4291568896 (0xFFCC2500)
YUV	82.7150, -40.7785, 106.3669
Hunter-Lab	37.6304, 55.4067, 24.1577

# Details

The XYZ color **25.5634, 14.1605, 1.3859** 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 **24.7149, 31.9914, 61.9986**, and the grayscale version is **8.2299, 8.6584, 9.4291**.

A 20% lighter version of the original color is **46.3914, 30.4595, 7.0486**, and **10.8152, 5.5754, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **25.5637, 14.1613, 1.3861**, and if you desaturate by 10%, it is **26.3374, 15.5010, 2.2846**.

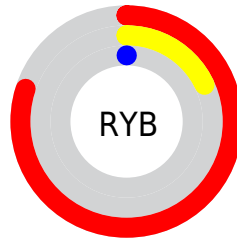
# Distribution



Red (80%)

Green (15%)

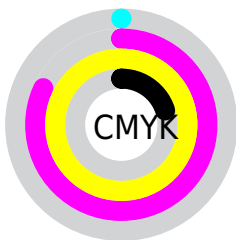
Blue (0%)



Red (80%)

Yellow (18%)

Blue (0%)

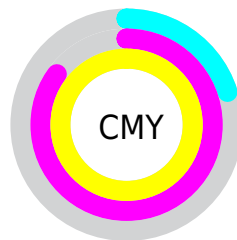


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (85%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 25.5634, 14.1605, 1.3859 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 25.5634, 14.1605, 1.3859 by changing the saturation by 10% instead.





 25.5634, 14.1605,  
1.3859


 25.5634, 14.1605,  
1.3859

 272.9284,  
218.2270, 111.9645


 16.6283, 8.2324,  
0.1307


 52.0061, 33.3735,  
7.2813


 10.0635, 4.2440,  
0.0000


 70.2444, 47.4273,  
12.9758


 5.5036, 1.8110,  
0.0000

 92.3144, 64.9583,  
21.0594

 2.5835, 0.4940,  
0.0000

 118.5816, 86.3510,  
31.9508

 0.9375, 0.0000,  
0.0000


 149.4112,  
111.9899, 46.0684


 0.0000, 0.0000,  
0.0000


 185.1686,


142.2592, 63.8309


 226.2192,  
177.5435, 85.6568


 25.5634, 14.1605,  
1.3859


 25.5634, 14.1605,  
1.3859

 25.5637, 14.1613,  
1.3861

 26.3374, 15.5010,  
2.2846

 27.5145, 17.4281,  
3.9934

 29.1666, 20.0108,  
6.7685

 31.3406, 23.3027,  
10.7493

 34.0777, 27.3521,  
16.0540

■ 37.4144, 32.2024,  
22.7865

■ 41.3844, 37.8942,  
31.0406

■ 46.0186, 44.4650,  
40.9018

■ 51.3459, 51.9500,  
52.4493

# Harmonies

## Analogous

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



30.7370, 14.1605, 8.4992



25.5634, 14.1605, 1.3859



17.7226, 14.1605, 0.0000

# Triad

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



25.5634, 14.1605, 1.3859



4.4129, 14.1605, 6.7639



16.5819, 14.1605, 88.7582

# Complementary

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



25.5634, 14.1605, 1.3859



24.7149, 31.9914, 61.9986

# 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.



9.9409, 14.1605, 86.3870



25.5634, 14.1605, 1.3859



4.2904, 14.1605, 25.3371

# Square

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



25.5634, 14.1605, 1.3859



6.3670, 14.1605, 1.0163



5.9452, 14.1605, 57.6440



24.4890, 14.1605, 62.6865



# Rectangle

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



25.5634, 14.1605, 1.3859



12.8271, 14.1605, 0.0000



5.9452, 14.1605, 57.6440



14.1116, 14.1605, 91.6464

# Sweetspot

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



25.5637, 14.1614, 1.3861



68.2595, 62.3611, 50.8224



32.1573, 15.7395, 39.3731



13.9850, 12.4539, 9.5698



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.



25.5637, 14.1614, 1.3861



42.2275, 23.2351, 2.2592



33.7058, 30.4455, 4.1001



11.3742, 11.5374, 11.7069



16.1397, 9.0123, 0.8889



0.8839, 0.5675, 0.0630

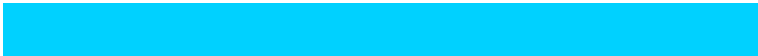


# Inverse Universe

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



24.7149, 31.9914, 61.9986



40.7846, 52.6891, 102.6282



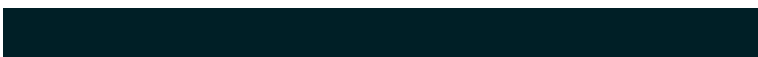
12.9662, 8.4939, 58.0824



11.3635, 12.3673, 14.3586



15.6185, 20.2610, 39.0439



0.8520, 1.1378, 2.0296



# Previews

## White Background



This preview shows how the XYZ color 25.5634, 14.1605, 1.3859 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 25.5634, 14.1605, 1.3859**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.5634, 14.1605, 1.3859.



This preview shows how white text looks on a background with the XYZ color 25.5634, 14.1605,



# 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

25.5634, 14.1605, 1.3859

### Protanopia

13.1789, 14.5786, 3.0391

### Deuteranopia

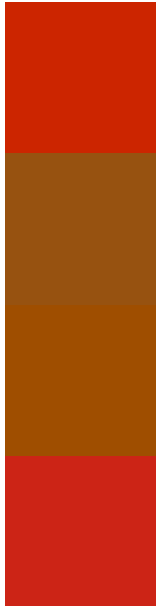
14.4852, 14.3757, 2.0113



## Tritanopia

25.7916, 14.1549, 2.8862

# Trichromacy



## Original Color

25.5634, 14.1605, 1.3859

## Protanomaly

15.8733, 12.6513, 2.0955

## Deuteranomaly

17.0225, 12.8197, 1.5773

## Tritanomaly

25.6775, 14.1570, 2.1383

# Monochromacy



## Original Color

25.5634, 14.1605, 1.3859

## Achromatopsia

8.2219, 8.6500, 9.4199

## Achromatomaly

11.3432, 8.6655, 4.4429

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.5634, 14.1605, 1.3859 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, 37, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 37, 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, 37, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 37, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 25.5634, 14.1605, 1.3859 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, 37, 0) }
```



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

```
.border{ border-color:rgb(204, 37, 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, 37, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 37, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 37, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 37, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 25.5634, 14.1605, 1.3859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 37, 0) }
```

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

```
.background{ background-color: rgb(204, 37,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**