

# Converting Colors

XYZ(25.9510, 13.3562, 2.3009)

Have a look what the booklet for  
XYZ(25.9510, 13.3562, 2.3009)  
contains.

<b>XYZ(25.9417, 13.3492, 2.3080)</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(25.9417, 13.3492,  
2.3080)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF001C
RGB	207, 0, 28
RGB Percent	81%, 0%, 11%
CMY	0.1882, 0.9998, 0.8902
CMYK	0.00, 1.00, 0.86, 0.19
HSL	352°, 100%, 41%
HSV	352°, 100%, 81%
XYZ	25.9417, 13.3492, 2.3080
YIQ	65.0850, 114.3840, 52.5920

# Conversions

## Conversions Part 2

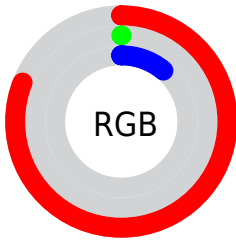
<b>Format</b>	<b>Color</b>
<b>RYB</b>	207, 0, 28
Decimal	13565980
CIELab	43.28, 68.79, 46.86
CIElCh	43, 83.240, 34.264
Yxy	13.3492, 0.6236, 0.3209
Android (android.graphics.Color)	4291756060 (0xFFCF001C)
YUV	65.0850, -18.2829, 124.4595
Hunter-Lab	36.5366, 62.7997, 21.8303

# Details

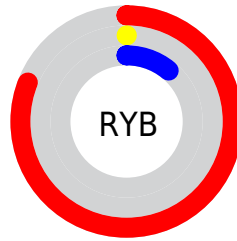
The XYZ color **25.9417, 13.3492, 2.3080** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **30.4540, 47.8819, 50.3068**, and the grayscale version is **5.0558, 5.3190, 5.7924**.

A 20% lighter version of the original color is **45.8038, 28.4100, 9.5481**, and **11.3277, 5.8396, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **25.9411, 13.3490, 2.3057**, and if you desaturate by 10%, it is **26.4866, 13.9887, 3.8790**.

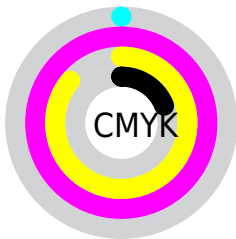
# Distribution



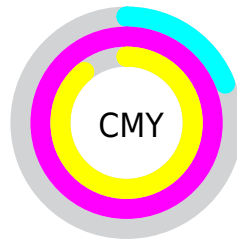
- Red (81%)
- Green (0%)
- Blue (11%)



- Red (81%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (19%)




- Cyan (19%)
- Magenta (100%)
- Yellow (89%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.9417, 13.3492, 2.3080 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 25.9417, 13.3492, 2.3080 by changing the saturation by 10% instead.





 25.9417, 13.3492,  
2.3080


 25.9417, 13.3492,  
2.3080

274.7577,  
213.1437, 126.9897


 16.9125, 7.6694,  
0.7357


 52.6129, 31.9297,  
9.8669


 10.2670, 3.8842,  
0.0000


 70.9855, 45.5993,  
16.7082

 5.6400, 1.6090,  
0.0000

 93.2033, 62.7009,  
26.1488

 2.6660, 0.3636,  
0.0000

 119.6317, 83.6190,  
38.6072


 0.9797, 0.0000,  
0.0000


 150.6360,  
108.7379, 54.5019


 0.0000, 0.0000,  
0.0000


 186.5815,


138.4421, 74.2516


 227.8336,  
173.1159, 98.2746


 25.9417, 13.3492,  
2.3080


 25.9417, 13.3492,  
2.3080


 25.9411, 13.3490,  
2.3057

 26.4866, 13.9887,  
3.8790

 27.4602, 15.2499,  
6.3181

 28.9743, 17.3309,  
9.7433

 31.0948, 20.3404,  
14.2463

 33.8777, 24.3706,  
19.9083

■ 37.3729, 29.5026,  
26.8026

■ 41.6252, 35.8091,  
34.9961

■ 46.6757, 43.3568,  
44.5513

■ 52.5627, 52.2073,  
55.5263

# Harmonies

## Analogous

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



29.5045, 13.3492, 12.0515



25.9417, 13.3492, 2.3080



18.8696, 13.3492, 0.0000

# Triad

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



25.9417, 13.3492, 2.3080



4.4756, 13.3492, 3.9253



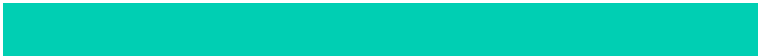
13.6324, 13.3492, 86.4907

# Complementary

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



25.9417, 13.3492, 2.3080



30.4540, 47.8819, 50.3068

# 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.



8.0296, 13.3492, 75.7265



25.9417, 13.3492, 2.3080



3.9049, 13.3492, 17.3382

# Square

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



25.9417, 13.3492, 2.3080



6.9092, 13.3492, 0.4079



4.9518, 13.3492, 45.0947



21.0273, 13.3492, 68.0661



# Rectangle

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



25.9417, 13.3492, 2.3080



13.9681, 13.3492, 0.0000



4.9518, 13.3492, 45.0947



11.4886, 13.3492, 86.2298

# Sweetspot

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



25.9420, 13.3501, 2.3082



66.4274, 56.9671, 55.5446



29.1573, 13.7308, 60.1445



13.5675, 11.2262, 10.6411



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.



25.9420, 13.3501, 2.3082



41.5352, 21.3781, 3.4847



28.0805, 17.9621, 1.9883



11.8728, 11.8339, 12.6062



16.3644, 8.4186, 1.5593



0.9367, 0.4794, 0.2014



# Inverse Universe

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



25.9420, 13.3501, 2.3082



41.5352, 21.3781, 3.4847



19.8663, 21.7119, 62.1747



11.8728, 11.8339, 12.6062



16.3644, 8.4186, 1.5593



0.9367, 0.4794, 0.2014



# Previews

## White Background



This preview shows how the XYZ color 25.9417, 13.3492, 2.3080 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 25.9417, 13.3492, 2.3080**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.9417, 13.3492, 2.3080.



This preview shows how white text looks on a background with the XYZ color 25.9417, 13.3492,



# 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

25.9417, 13.3492, 2.3080

### Protanopia

12.7671, 14.0214, 4.7228

### Deuteranopia

13.9776, 13.8292, 1.9326



## Tritanopia

25.6865, 13.5876, 1.2688

# Trichromacy



## Original Color

25.9417, 13.3492, 2.3080

## Protanomaly

14.7846, 10.5571, 3.2660

## Deuteranomaly

16.1304, 10.9479, 1.5501

## Tritanomaly

25.6399, 13.4067, 1.5235

# Monochromacy



## Original Color

25.9417, 13.3492, 2.3080

## Achromatopsia

5.0244, 5.2861, 5.7565

## Achromatomaly

8.7489, 5.6157, 3.8716

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.9417, 13.3492, 2.3080 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(207, 0, 28)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 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(207, 0, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 28) }
```

## Border

The CSS property to change the border of an element to XYZ 25.9417, 13.3492, 2.3080 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(207, 0, 28) }
```



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

```
.border{ border-color:rgb(207, 0, 28) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 28);  
box-shadow:4px 4px 4px 4px rgb(207, 0, 28)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 25.9417, 13.3492, 2.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 28) }
```

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

```
.background{ background-color: rgb(207, 0,  
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](#).

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