

# Converting Colors

XYZ(25.0648, 12.9028, 2.0236)

Have a look what the booklet for  
XYZ(25.0648, 12.9028, 2.0236)  
contains.

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# Color

**XYZ(25.0667, 12.9033,  
2.0336)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CC0018
RGB	204, 0, 24
RGB Percent	80%, 0%, 9%
CMY	0.2000, 0.9998, 0.9059
CMYK	0.00, 1.00, 0.88, 0.20
HSL	353°, 100%, 40%
HSV	353°, 100%, 80%
XYZ	25.0667, 12.9033, 2.0336
YIQ	63.7320, 113.8800, 50.7120

# Conversions

## Conversions Part 2

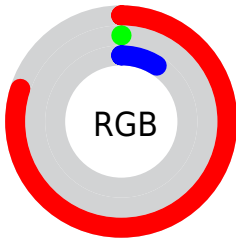
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 0, 24
Decimal	13369368
CIELab	42.62, 67.98, 48.00
CIElCh	43, 83.221, 35.224
Yxy	12.9033, 0.6266, 0.3226
Android (android.graphics.Color)	4291559448 (0xFFCC0018)
YUV	63.7320, -19.5879, 123.0150
Hunter-Lab	35.9212, 61.6998, 21.7882

# Details

The XYZ color **25.0667, 12.9033, 2.0336** 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 **29.8356, 46.4826, 50.6012**, and the grayscale version is **4.8529, 5.1056, 5.5600**.

A 20% lighter version of the original color is **45.5940, 28.1992, 8.8343**, and **10.8152, 5.5754, 0.5061** is the 20% darker color. If you saturate the color by 10%, you get **25.0661, 12.9031, 2.0316**, and if you desaturate by 10%, it is **25.5777, 13.5205, 3.4525**.

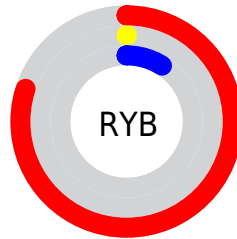
# Distribution



Red (80%)

Green (0%)

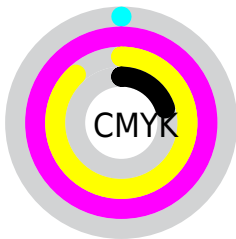
Blue (9%)



Red (80%)

Yellow (0%)

Blue (9%)

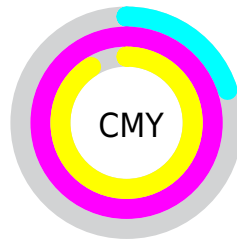


Cyan (0%)

Magenta (100%)

Yellow (88%)

Black (20%)



Cyan (20%)

Magenta (100%)


Yellow (91%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0667, 12.9033, 2.0336 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 25.0667, 12.9033, 2.0336 by changing the saturation by 10% instead.





 25.0667, 12.9033,  
2.0336


 25.0667, 12.9033,  
2.0336


270.5115,  
210.2970, 122.8963


 16.2558, 7.3620,  
0.5758


 51.2075, 31.1299,  
9.1325


 9.7973, 3.6895,  
0.0000


 69.2681, 44.5841,  
15.6604

 5.3260, 1.5014,  
0.0000

 91.1426, 61.4446,  
24.7322

 2.4765, 0.2897,  
0.0000

 117.1964, 82.0959,  
36.7663

 0.8834, 0.0000,  
0.0000


 147.7948,  
106.9224, 52.1812


 0.0000, 0.0000,  
0.0000


 183.3032,


136.3085, 71.3955


 224.0870,  
170.6386, 94.8277


 25.0667, 12.9033,  
2.0336


 25.0667, 12.9033,  
2.0336


 25.0661, 12.9031,  
2.0316

 25.5777, 13.5205,  
3.4525

 26.5049, 14.7386,  
5.7239

 27.9589, 16.7509,  
8.9695

 30.0040, 19.6628,  
13.2839

 32.6954, 23.5635,  
18.7501

■ 36.0819, 28.5316,  
25.4432

■ 40.2074, 34.6375,  
33.4316

■ 45.1124, 41.9458,  
42.7788

■ 50.8342, 50.5160,  
53.5440

# Harmonies

## Analogous

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



28.7240, 12.9033, 11.1203



25.0667, 12.9033, 2.0336



18.0760, 12.9033, 0.0000

# Triad

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



25.0667, 12.9033, 2.0336



4.2235, 12.9033, 3.9466



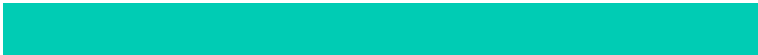
13.4011, 12.9033, 84.7026

# Complementary

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



25.0667, 12.9033, 2.0336



29.8356, 46.4826, 50.6012

# 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.



7.8544, 12.9033, 74.9945



25.0667, 12.9033, 2.0336



3.7215, 12.9033, 17.4526

# Square

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



25.0667, 12.9033, 2.0336



6.5182, 12.9033, 0.3841



4.7892, 12.9033, 45.0808



20.6661, 12.9033, 65.7503



# Rectangle

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



25.0667, 12.9033, 2.0336



13.3011, 12.9033, 0.0000



4.7892, 12.9033, 45.0808



11.2827, 12.9033, 84.7811

# Sweetspot

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



25.0670, 12.9041, 2.0338



66.2819, 56.9089, 54.7783



28.9865, 13.6847, 58.2399



13.5342, 11.2129, 10.4661



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.



25.0670, 12.9041, 2.0338



41.4738, 21.3535, 3.1610



27.4062, 17.8460, 2.0014



11.2650, 11.2347, 11.9303



15.7951, 8.1286, 1.3739



0.8332, 0.4267, 0.1675



# Inverse Universe

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



25.0670, 12.9041, 2.0338



41.4738, 21.3535, 3.1610



18.7781, 20.1171, 60.0195



11.2650, 11.2347, 11.9303



15.7951, 8.1286, 1.3739



0.8332, 0.4267, 0.1675



# Previews

## White Background



This preview shows how the XYZ color 25.0667, 12.9033, 2.0336 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 25.0667, 12.9033, 2.0336**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.0667, 12.9033, 2.0336.



This preview shows how white text looks on a background with the XYZ color 25.0667, 12.9033,



# 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

25.0667, 12.9033, 2.0336

### Protanopia

12.3384, 13.5125, 4.1484

### Deuteranopia

13.5736, 13.4812, 1.8867



## Tritanopia

24.8615, 13.1623, 1.2302

# Trichromacy



## Original Color

25.0667, 12.9033, 2.0336

## Protanomaly

14.2842, 10.2208, 2.8101

## Deuteranomaly

15.6766, 10.6331, 1.4846

## Tritanomaly

24.8094, 12.9792, 1.4561

# Monochromacy



## Original Color

25.0667, 12.9033, 2.0336

## Achromatopsia

4.8732, 5.1269, 5.5832

## Achromatomaly

8.4175, 5.4525, 3.5145

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.0667, 12.9033, 2.0336 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, 0, 24)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 24)  
}
```

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, 0, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 24) }
```

## Border

The CSS property to change the border of an element to XYZ 25.0667, 12.9033, 2.0336 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, 0, 24) }
```



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

```
.border{ border-color:rgb(204, 0, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 0, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(204, 0, 24)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 25.0667, 12.9033, 2.0336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 24) }
```

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

```
.background{ background-color: rgb(204, 0,  
24) }
```

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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