

# Converting Colors

XYZ(25.6093, 13.2028, 1.2058)

Have a look what the booklet for  
XYZ(25.6093, 13.2028, 1.2058)  
contains.

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# Color

**XYZ(25.7321, 13.2654,  
1.2042)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF0000
RGB	207, 0, 0
RGB Percent	81%, 0%, 0%
CMY	0.1882, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.19
HSL	0°, 100%, 41%
HSV	0°, 100%, 81%
XYZ	25.7321, 13.2654, 1.2042
YIQ	61.8930, 123.3720, 43.8840

# Conversions

## Conversions Part 2

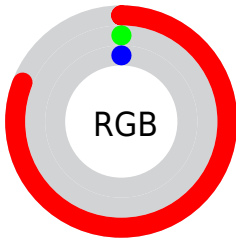
<b>Format</b>	<b>Color</b>
<b>RYB</b>	207, 0, 0
Decimal	13565952
CIELab	43.16, 68.45, 57.44
CIELCh	43, 89.361, 40.000
Yxy	13.2654, 0.6401, 0.3300
Android (android.graphics.Color)	4291756032 (0xFFCF0000)
YUV	61.8930, -30.5132, 127.2588
Hunter-Lab	36.4217, 62.3731, 23.5349

# Details

The XYZ color **25.7321, 13.2654, 1.2042** 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 **33.5640, 49.1082, 66.7407**, and the grayscale version is **4.5970, 4.8365, 5.2669**.

A 20% lighter version of the original color is **45.2104, 28.1726, 6.4232**, and **11.1553, 5.7508, 0.5221** is the 20% darker color. If you saturate the color by 10%, you get **25.7324, 13.2663, 1.2044**, and if you desaturate by 10%, it is **26.1279, 13.8452, 1.9903**.

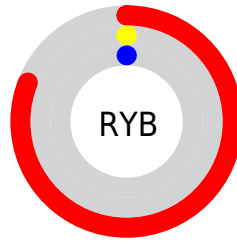
# Distribution



Red (81%)

Green (0%)

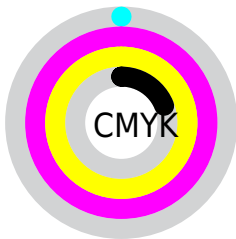
Blue (0%)



Red (81%)

Yellow (0%)

Blue (0%)

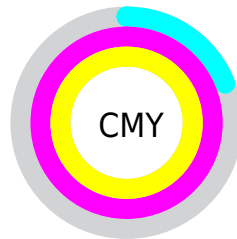


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (19%)



Cyan (19%)

Magenta (100%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7321, 13.2654, 1.2042 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 25.7321, 13.2654, 1.2042 by changing the saturation by 10% instead.





 25.7321, 13.2654,  
1.2042


 25.7321, 13.2654,  
1.2042

 273.7454,  
212.6116, 108.4462


 16.7550, 7.6116,  
0.0000


 52.2768, 31.7798,  
6.7213


 10.1542, 3.8474,  
0.0000


 70.5751, 45.4091,  
12.1487

 5.5643, 1.5886,  
0.0000

 92.7112, 62.4657,  
19.9135

 2.6201, 0.3499,  
0.0000

 119.0504, 83.3339,  
30.4341

 0.9562, 0.0000,  
0.0000


 149.9580,  
108.3983, 44.1292


 0.0000, 0.0000,  
0.0000


 185.7995,


138.0431, 61.4172


 226.9402,  
172.6527, 82.7167


 25.7321, 13.2654,  
1.2042


 25.7321, 13.2654,  
1.2042


 25.7324, 13.2663,  
1.2044

 26.1279, 13.8452,  
1.9903

 26.9472, 15.0444,  
3.6182

 28.3339, 17.0737,  
6.3740

 30.3655, 20.0468,  
10.4121

 33.1076, 24.0593,  
15.8628

■ 36.6176, 29.1955,  
22.8403

■ 40.9471, 35.5307,  
31.4474

■ 46.1432, 43.1340,  
41.7777

■ 52.2496, 52.0691,  
53.9178

# Harmonies

## Analogous

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



30.6854, 13.2654, 8.8035



25.7321, 13.2654, 1.2042



17.7069, 13.2654, 0.0000

# Triad

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



25.7321, 13.2654, 1.2042



3.8040, 13.2654, 4.9620



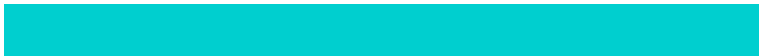
15.0531, 13.2654, 93.3602

# Complementary

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



25.7321, 13.2654, 1.2042



33.5640, 49.1082, 66.7407

# 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.



8.5966, 13.2654, 87.5431



25.7321, 13.2654, 1.2042



3.5413, 13.2654, 22.0899

# Square

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



25.7321, 13.2654, 1.2042



5.8632, 13.2654, 0.4167



4.9362, 13.2654, 55.1666



23.1921, 13.2654, 67.4063



# Rectangle

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



25.7321, 13.2654, 1.2042



12.6083, 13.2654, 0.0000



4.9362, 13.2654, 55.1666



12.6085, 13.2654, 95.3759

# Sweetspot

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



25.7324, 13.2663, 1.2044



65.3496, 56.5413, 49.8524



36.9943, 17.7702, 60.5111



13.3228, 11.1296, 9.3491



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.



25.7324, 13.2663, 1.2044



41.2406, 21.2612, 1.9302



30.6320, 23.0655, 2.8376



11.8090, 11.8087, 12.2689



16.2128, 8.3586, 0.7589



0.9066, 0.4675, 0.0425



# Inverse Universe

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



33.5640, 49.1082, 66.7407



53.7921, 78.7043, 106.9640



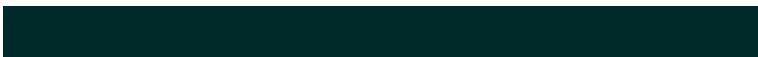
16.1625, 14.3051, 60.9402



12.1582, 13.4067, 15.1906



21.1471, 30.9408, 42.0501



1.1825, 1.7302, 2.3512



# Previews

## White Background



This preview shows how the XYZ color 25.7321, 13.2654, 1.2042 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

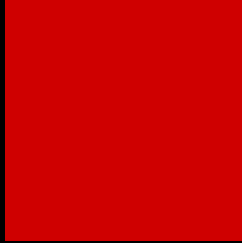
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.7321, 13.2654, 1.2042 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 25.7321, 13.2654, 1.2042**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.7321, 13.2654, 1.2042.



This preview shows how white text looks on a background with the XYZ color 25.7321, 13.2654,



# 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

25.7321, 13.2654, 1.2042

### Protanopia

12.5855, 13.9642, 3.0689

### Deuteranopia

13.9776, 13.8292, 1.9326



## Tritanopia

25.4097, 13.4449, 1.2559

# Trichromacy



## Original Color

25.7321, 13.2654, 1.2042

## Protanomaly

14.6860, 10.5388, 1.7905

## Deuteranomaly

16.0756, 10.9259, 1.2616

## Tritanomaly

25.5851, 13.3848, 1.2350

# Monochromacy



## Original Color

25.7321, 13.2654, 1.2042

## Achromatopsia

4.5787, 4.8172, 5.2459

## Achromatomaly

8.1620, 5.2424, 2.5011

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.7321, 13.2654, 1.2042 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, 0)` looks like.

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

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

## Border

The CSS property to change the border of an element to XYZ 25.7321, 13.2654, 1.2042 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, 0) }
```



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

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

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, 0) colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 25.7321, 13.2654, 1.2042 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, 0) }
```

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

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