

# Converting Colors

XYZ(24.9077, 10.1582, 1.2190)

Have a look what the booklet for  
XYZ(24.9077, 10.1582, 1.2190)  
contains.

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# Color

**XYZ(26.6875, 13.7453,  
1.8188)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D20012
RGB	210, 0, 18
RGB Percent	82%, 0%, 7%
CMY	0.1765, 0.9998, 0.9294
CMYK	0.00, 1.00, 0.91, 0.18
HSL	355°, 100%, 41%
HSV	355°, 100%, 82%
XYZ	26.6875, 13.7453, 1.8188
YIQ	64.8420, 119.3820, 50.1180

# Conversions

## Conversions Part 2

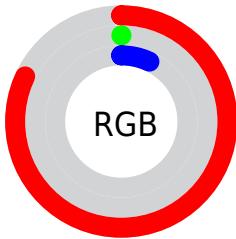
<b>Format</b>	<b>Color</b>
<b>RYB</b>	210, 0, 18
Decimal	13762578
CIELab	43.87, 69.37, 52.09
CIElCh	44, 86.751, 36.903
Yxy	13.7453, 0.6316, 0.3253
Android (android.graphics.Color)	4291952658 (0xFFD20012)
YUV	64.8420, -23.0931, 127.3036
Hunter-Lab	37.0747, 63.6093, 23.0436

# Details

The XYZ color **26.6875, 13.7453, 1.8188** 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 **32.5663, 49.9008, 57.8103**, and the grayscale version is **5.0255, 5.2872, 5.7577**.

A 20% lighter version of the original color is **45.6023, 28.4580, 8.0905**, and **11.6771, 6.0197, 0.5465** is the 20% darker color. If you saturate the color by 10%, you get **26.6869, 13.7451, 1.8170**, and if you desaturate by 10%, it is **27.1843, 14.3744, 3.1089**.

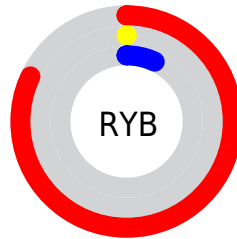
# Distribution



Red (82%)

Green (0%)

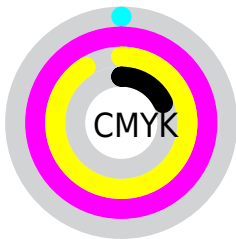
Blue (7%)



Red (82%)

Yellow (0%)

Blue (7%)

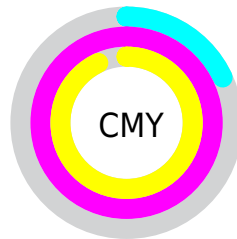


Cyan (0%)

Magenta (100%)

Yellow (91%)

Black (18%)



Cyan (18%)

Magenta (100%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.6875, 13.7453, 1.8188 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 26.6875, 13.7453, 1.8188 by changing the saturation by 10% instead.



■ 26.6875, 13.7453,  
1.8188

■ 26.6875, 13.7453,  
1.8188

278.3361,  
215.6405, 119.4965

■ 17.4740, 7.9437,  
0.4403

■ 53.8054, 32.6364,  
8.5392

■ 10.6704, 4.0590,  
0.0000

■ 72.4406, 46.4948,  
14.8074

■ 5.9113, 1.7066,  
0.0000

■ 94.9471, 63.8075,  
23.5723

■ 2.8314, 0.4279,  
0.0000

■ 121.6902, 84.9590,  
35.2525


■ 1.0652, 0.0000,  
0.0000


■ 153.0353,  
110.3336, 50.2665


■ 0.0000, 0.0000,  
0.0000


■ 189.3477,


140.3158, 69.0327


 230.9929,  
175.2900, 91.9699


 26.6875, 13.7453,  
1.8188


 26.6875, 13.7453,  
1.8188

 26.6869, 13.7451,  
1.8170

 27.1843, 14.3744,  
3.1089

 28.1315, 15.6502,  
5.3321

 29.6492, 17.7780,  
8.6360

 31.8092, 20.8721,  
13.1351

 34.6728, 25.0293,  
18.9296

■ 38.2940, 30.3345,  
26.1088

■ 42.7216, 36.8642,  
34.7542

■ 48.0003, 44.6880,  
44.9410

■ 54.1715, 53.8706,  
56.7392

# Harmonies

## Analogous

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



30.9969, 13.7453, 10.8735



26.6875, 13.7453, 1.8188



18.9451, 13.7453, 0.0000

# Triad

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



26.6875, 13.7453, 1.8188



4.3060, 13.7453, 4.5072



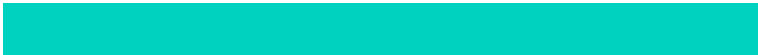
14.7130, 13.7453, 92.3812

# Complementary

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



26.6875, 13.7453, 1.8188



32.5663, 49.9008, 57.8103

# 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.



8.5473, 13.7453, 83.4291



26.6875, 13.7453, 1.8188



3.8637, 13.7453, 19.9755

# Square

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



26.6875, 13.7453, 1.8188



6.6422, 13.7453, 0.4376



5.1067, 13.7453, 50.9850



22.6812, 13.7453, 69.9666



# Rectangle

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



26.6875, 13.7453, 1.8188



13.7893, 13.7453, 0.0000



5.1067, 13.7453, 50.9850



12.3655, 13.7453, 93.1182

# Sweetspot

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



26.6878, 13.7462, 1.8190



66.0215, 56.8047, 53.4070



32.6205, 15.4734, 62.2396



13.4749, 11.1892, 10.1537



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.



26.6878, 13.7462, 1.8190



41.3830, 21.3172, 2.6829



29.7508, 20.0465, 2.3026



11.8492, 11.8244, 12.4817



16.2944, 8.3906, 1.1903



0.9256, 0.4750, 0.1431



# Inverse Universe

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



26.6878, 13.7462, 1.8190



41.3830, 21.3172, 2.6829



19.0965, 19.5797, 63.7450



11.8492, 11.8244, 12.4817



16.2944, 8.3906, 1.1903



0.9256, 0.4750, 0.1431



# Previews

## White Background



This preview shows how the XYZ color 26.6875, 13.7453, 1.8188 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 26.6875, 13.7453, 1.8188**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.6875, 13.7453, 1.8188.



This preview shows how white text looks on a background with the XYZ color 26.6875, 13.7453,



# 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

26.6875, 13.7453, 1.8188

### Protanopia

13.0802, 14.3574, 3.7509

### Deuteranopia

14.4852, 14.3757, 2.0113



## Tritanopia

26.5274, 14.0211, 1.3082

# Trichromacy



## Original Color

26.6875, 13.7453, 1.8188

## Protanomaly

15.1778, 10.7784, 2.4429

## Deuteranomaly

16.7720, 11.3635, 1.5104

## Tritanomaly

26.4643, 13.8336, 1.4763

# Monochromacy



## Original Color

26.6875, 13.7453, 1.8188

## Achromatopsia

5.0244, 5.2861, 5.7565

## Achromatomaly

8.7977, 5.6508, 3.4233

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.6875, 13.7453, 1.8188 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(210, 0, 18)` looks like.

```
.text, #text, p{  
    color:rgb(210, 0, 18)  
}
```

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(210, 0, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 0, 18) }
```

## Border

The CSS property to change the border of an element to XYZ 26.6875, 13.7453, 1.8188 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(210, 0, 18) }
```



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

```
.border{ border-color:rgb(210, 0, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 0, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 0, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 0, 18);  
box-shadow:4px 4px 4px 4px rgb(210, 0, 18)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 26.6875, 13.7453, 1.8188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 0, 18) }
```

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

```
.background{ background-color: rgb(210, 0,  
18) }
```

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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