

# Converting Colors

XYZ(26.9593, 13.8245, 4.5836)

Have a look what the booklet for  
XYZ(26.9593, 13.8245, 4.5836)  
contains.

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# Color

**XYZ(26.9371, 13.8124,  
4.6145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D10035
RGB	209, 0, 53
RGB Percent	82%, 0%, 21%
CMY	0.1804, 0.9998, 0.7922
CMYK	0.00, 1.00, 0.75, 0.18
HSL	345°, 100%, 41%
HSV	345°, 100%, 82%
XYZ	26.9371, 13.8124, 4.6145
YIQ	68.5330, 107.5510, 60.7910

# Conversions

## Conversions Part 2

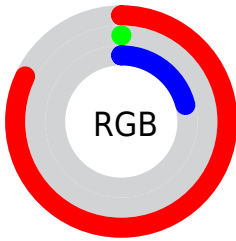
Format	Color
<a href="#">RYB</a>	<a href="#">209, 0, 53</a>
Decimal	<a href="#">13697077</a>
CIELab	<a href="#">43.96, 69.97, 33.65</a>
CIElCh	<a href="#">44, 77.642, 25.687</a>
Yxy	<a href="#">13.8124, 0.5938, 0.3045</a>
Android (android.graphics.Color)	<a href="#">4291887157</a> (0xFFD10035)
YUV	<a href="#">68.5330, -7.6578, 123.1896</a>
Hunter-Lab	<a href="#">37.1650, 64.3374, 18.6539</a>

# Details

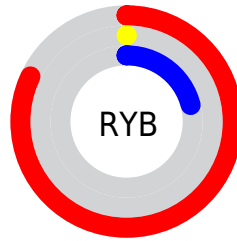
The XYZ color **26.9371, 13.8124, 4.6145** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **28.8055, 48.0027, 39.2203**, and the grayscale version is **5.5845, 5.8754, 6.3983**.

A 20% lighter version of the original color is **46.9484, 28.9965, 15.1790**, and **11.7375, 6.0439, 0.8646** is the 20% darker color. If you saturate the color by 10%, you get **26.9361, 13.8119, 4.6102**, and if you desaturate by 10%, it is **27.6234, 14.5144, 6.9116**.

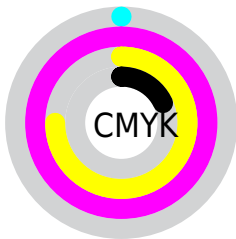
# Distribution



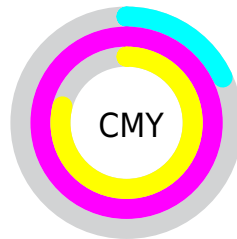
- Red (82%)
- Green (0%)
- Blue (21%)



- Red (82%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (18%)




- Cyan (18%)
- Magenta (100%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9371, 13.8124, 4.6145 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 26.9371, 13.8124, 4.6145 by changing the saturation by 10% instead.




 26.9371, 13.8124,  
4.6145


 26.9371, 13.8124,  
4.6145


279.5255,  
216.0606, 154.8286


 17.6623, 7.9903,  
1.9682


 54.2035, 32.7558,  
15.4039


 10.8060, 4.0887,  
0.5356


 72.9259, 46.6459,  
24.3840

 6.0029, 1.7233,  
0.0000


 95.5281, 63.9941,  
36.3124

 2.8875, 0.4387,  
0.0000

 122.3757, 85.1848,  
51.6077

 1.0946, 0.0000,  
0.0000

 153.8338,  
110.6024, 70.6885

 0.0206, 0.0000,  
0.0000

 190.2679,

 0.0000, 0.0000,

140.6313, 93.9732

0.0000

232.0434,  
175.6559, 121.8803

■ 26.9371, 13.8124,  
4.6145

■ 26.9371, 13.8124,  
4.6145

■ 26.9361, 13.8119,  
4.6102

■ 27.6234, 14.5144,  
6.9116

■ 28.7252, 15.8437,  
9.9743

■ 30.3489, 17.9987,  
13.8832

■ 32.5557, 21.0886,  
18.6995

■ 35.3978, 25.2055,  
24.4785

■ 38.9214, 30.4306,  
31.2704

■ 43.1683, 36.8368,  
39.1221

■ 48.1769, 44.4907,  
48.0773

■ 53.9827, 53.4540,  
58.1772

# Harmonies

## Analogous

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



28.8129, 13.8124, 17.7342



26.9371, 13.8124, 4.6145



20.9908, 13.8124, 0.8158

# Triad

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



26.9371, 13.8124, 4.6145



5.5802, 13.8124, 2.8838



12.2585, 13.8124, 80.4463

# Complementary

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



26.9371, 13.8124, 4.6145



28.8055, 48.0027, 39.2203

# 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.



7.5245, 13.8124, 63.9765



26.9371, 13.8124, 4.6145



4.5117, 13.8124, 12.6324

# Square

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



26.9371, 13.8124, 4.6145



8.6387, 13.8124, 0.4075



5.0922, 13.8124, 35.0263



18.9533, 13.8124, 70.9024



# Rectangle

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



26.9371, 13.8124, 4.6145



16.2758, 13.8124, 0.0396



5.0922, 13.8124, 35.0263



10.4152, 13.8124, 77.5582

# Sweetspot

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



26.9374, 13.8133, 4.6147



67.4400, 57.3721, 60.8771



24.6986, 11.4039, 61.2205



13.8004, 11.3194, 11.8674



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.



26.9374, 13.8133, 4.6147



42.1832, 21.6373, 6.8970



27.3846, 15.7355, 1.5953



11.9299, 11.8567, 12.9067



16.6421, 8.5297, 3.0213



0.9631, 0.4900, 0.3407



# Inverse Universe

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



26.9374, 13.8133, 4.6147



42.1832, 21.6373, 6.8970



24.1222, 29.8300, 64.8075



11.9299, 11.8567, 12.9067



16.6421, 8.5297, 3.0213



0.9631, 0.4900, 0.3407



# Previews

## White Background



This preview shows how the XYZ color 26.9371, 13.8124, 4.6145 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 26.9371, 13.8124, 4.6145 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 26.9371, 13.8124, 4.6145**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.9371, 13.8124, 4.6145.



This preview shows how white text looks on a background with the XYZ color 26.9371, 13.8124,



# 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

26.9371, 13.8124, 4.6145

### Protanopia

13.5414, 14.4647, 9.6677

### Deuteranopia

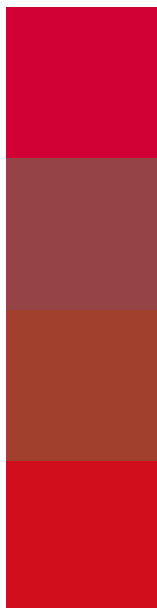
14.5696, 14.3730, 4.1042



## Tritanopia

26.3786, 14.0154, 1.7304

# Trichromacy



## Original Color

26.9371, 13.8124, 4.6145

## Protanomaly

15.5071, 10.8461, 7.0705

## Deuteranomaly

16.8043, 11.3298, 3.7838

## Tritanomaly

26.3791, 13.8078, 2.3735

# Monochromacy



## Original Color

26.9371, 13.8124, 4.6145

## Achromatopsia

5.6565, 5.9511, 6.4808

## Achromatomaly

9.5436, 6.1533, 5.3873

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.9371, 13.8124, 4.6145 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(209, 0, 53)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 53)  
}
```

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(209, 0, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 53) }
```

## Border

The CSS property to change the border of an element to XYZ 26.9371, 13.8124, 4.6145 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(209, 0, 53) }
```



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

```
.border{ border-color:rgb(209, 0, 53) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(209, 0, 53)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 26.9371, 13.8124, 4.6145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 53) }
```

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

```
.background{ background-color: rgb(209, 0,  
53) }
```

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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