

# Converting Colors

XYZ(24.1695, 9.2592, 0.0000)

Have a look what the booklet for  
XYZ(24.1695, 9.2592, 0.0000)  
contains.

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# Color

**XYZ(26.2945, 13.5553,  
1.2306)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D10000
RGB	209, 0, 0
RGB Percent	82%, 0%, 0%
CMY	0.1804, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.18
HSL	0°, 100%, 41%
HSV	0°, 100%, 82%
XYZ	26.2945, 13.5553, 1.2306
YIQ	62.4910, 124.5640, 44.3080

# Conversions

## Conversions Part 2

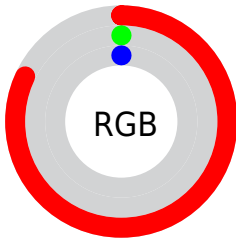
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 0, 0
Decimal	13697024
CIE Lab	43.59, 68.95, 57.86
CIE LCh	44, 90.007, 40.000
Yxy	13.5553, 0.6401, 0.3300
Android (android.graphics.Color)	4291887104 (0xFFD10000)
YUV	62.4910, -30.8081, 128.4884
Hunter-Lab	36.8175, 63.0512, 23.7905

# Details

The XYZ color **26.2945, 13.5553, 1.2306** 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 **34.2984, 50.1831, 68.1997**, and the grayscale version is **4.6844, 4.9284, 5.3670**.

A 20% lighter version of the original color is **45.2104, 28.1726, 6.4232**, and **11.5016, 5.9293, 0.5383** is the 20% darker color. If you saturate the color by 10%, you get **26.2947, 13.5561, 1.2307**, and if you desaturate by 10%, it is **26.6958, 14.1431, 2.0276**.

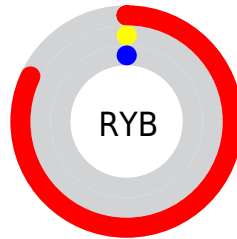
# Distribution



Red (82%)

Green (0%)

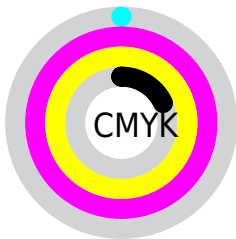
Blue (0%)



Red (82%)

Yellow (0%)

Blue (0%)

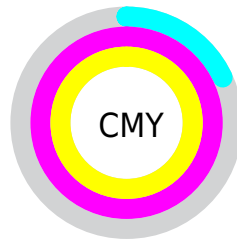


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (100%)


Yellow (100%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 26.2945, 13.5553, 1.2306 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 26.2945, 13.5553, 1.2306 by changing the saturation by 10% instead.





 26.2945, 13.5553,  
1.2306


 26.2945, 13.5553,  
1.2306


 276.4550,  
214.4465, 108.9736


 17.1779, 7.8120,  
0.0039


 53.1776, 32.2979,  
6.8041


 10.4575, 3.9749,  
0.0000


 71.6748, 46.0659,  
12.2715


 5.7679, 1.6595,  
0.0000

 94.0296, 63.2778,  
20.0841

 2.7438, 0.3972,  
0.0000

 120.6074, 84.3177,  
30.6604


 1.0198, 0.0000,  
0.0000


 151.7735,  
109.5701, 44.4190


 0.0000, 0.0000,  
0.0000


 187.8932,


139.4195, 61.7783


 229.3319,  
174.2501, 83.1570


 26.2945, 13.5553,  
1.2306


 26.2945, 13.5553,  
1.2306


 26.2947, 13.5561,  
1.2307

 26.6958, 14.1431,  
2.0276

 27.5308, 15.3653,  
3.6867

 28.9459, 17.4361,  
6.4990

 31.0204, 20.4720,  
10.6225

 33.8217, 24.5712,  
16.1909

■ 37.4084, 29.8197,  
23.3210

■ 41.8335, 36.2948,  
32.1181

■ 47.1452, 44.0672,  
42.6780

■ 53.3882, 53.2021,  
55.0895

# Harmonies

## Analogous

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



31.3559, 13.5553, 8.9962



26.2945, 13.5553, 1.2306



18.0940, 13.5553, 0.0000

# Triad

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



26.2945, 13.5553, 1.2306



3.8872, 13.5553, 5.0703



15.3819, 13.5553, 95.4000

# Complementary

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



26.2945, 13.5553, 1.2306



34.2984, 50.1831, 68.1997

# 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.



8.7843, 13.5553, 89.4552



26.2945, 13.5553, 1.2306



3.6187, 13.5553, 22.5721

# Square

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



26.2945, 13.5553, 1.2306



5.9914, 13.5553, 0.4336



5.0441, 13.5553, 56.3712



23.6987, 13.5553, 68.8796



# Rectangle

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



26.2945, 13.5553, 1.2306



12.8839, 13.5553, 0.0000



5.0441, 13.5553, 56.3712



12.8839, 13.5553, 97.4595

# Sweetspot

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



26.2948, 13.5562, 1.2308



65.3494, 56.5408, 49.8524



37.8028, 18.1587, 61.8337



13.3228, 11.1295, 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.



26.2948, 13.5562, 1.2308



41.2406, 21.2611, 1.9302



31.2952, 23.5569, 2.8976



11.8090, 11.8086, 12.2689



16.2128, 8.3585, 0.7589



0.9066, 0.4675, 0.0425



# Inverse Universe

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



34.2984, 50.1831, 68.1997



53.7934, 78.7068, 106.9645



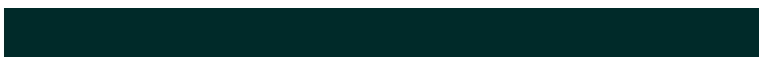
16.5094, 14.6052, 62.2701



12.1582, 13.4067, 15.1906



21.1476, 30.9418, 42.0503



1.1825, 1.7302, 2.3512



# Previews

## White Background



This preview shows how the XYZ color 26.2945, 13.5553, 1.2306 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 26.2945, 13.5553, 1.2306**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.2945, 13.5553, 1.2306.



This preview shows how white text looks on a background with the XYZ color 26.2945, 13.5553,



# 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

26.2945, 13.5553, 1.2306

### Protanopia

12.8231, 14.2388, 3.1094

### Deuteranopia

14.2300, 14.1009, 1.9717



## Tritanopia

25.9650, 13.7311, 1.2819

# Trichromacy



## Original Color

26.2945, 13.5553, 1.2306

## Protanomaly

14.8708, 10.6341, 1.7991

## Deuteranomaly

16.5313, 11.2439, 1.2990

## Tritanomaly

26.1439, 13.6728, 1.2612

# Monochromacy



## Original Color

26.2945, 13.5553, 1.2306

## Achromatopsia

4.7246, 4.9707, 5.4130

## Achromatomaly

8.3443, 5.3838, 2.6069

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.2945, 13.5553, 1.2306 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 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(209, 0, 0) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 26.2945, 13.5553, 1.2306 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, 0) }
```



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

```
.border{ border-color:rgb(209, 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(209, 0, 0) colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 26.2945, 13.5553, 1.2306 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, 0) }
```

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

```
.background{ background-color: rgb(209, 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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