

# Converting Colors

XYZ(26.3420, 13.5776, 1.3329)

Have a look what the booklet for  
XYZ(26.3420, 13.5776, 1.3329)  
contains.

<b>XYZ(26.3164, 13.5641, 1.3460)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(26.3164, 13.5641,  
1.3460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D10004
RGB	209, 0, 4
RGB Percent	82%, 0%, 2%
CMY	0.1804, 0.9998, 0.9843
CMYK	0.00, 1.00, 0.98, 0.18
HSL	359°, 100%, 41%
HSV	359°, 100%, 82%
XYZ	26.3164, 13.5641, 1.3460
YIQ	62.9470, 123.2800, 45.5520

# Conversions

## Conversions Part 2

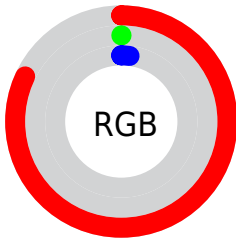
Format	Color
<a href="#">RYB</a>	209, 0, 4
Decimal	13697028
CIELab	43.60, 68.98, 56.52
CIELCh	44, 89.179, 39.326
Yxy	13.5641, 0.6383, 0.3290
Android (android.graphics.Color)	4291887108 (0xFFD10004)
YUV	62.9470, -29.0609, 128.0885
Hunter-Lab	36.8295, 63.0951, 23.6138

# Details

The XYZ color **26.3164, 13.5641, 1.3460** 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 **33.8257, 50.0107, 65.6561**, and the grayscale version is **4.7494, 4.9967, 5.4414**.

A 20% lighter version of the original color is **45.2816, 28.2011, 6.7981**, and **11.5016, 5.9293, 0.5383** is the 20% darker color. If you saturate the color by 10%, you get **26.3159, 13.5638, 1.3447**, and if you desaturate by 10%, it is **26.7316, 14.1576, 2.2158**.

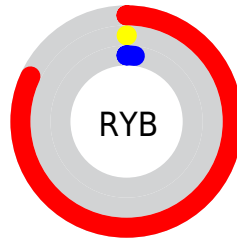
# Distribution



Red (82%)

Green (0%)

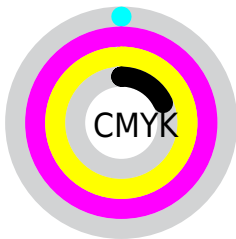
Blue (2%)



Red (82%)

Yellow (0%)

Blue (2%)

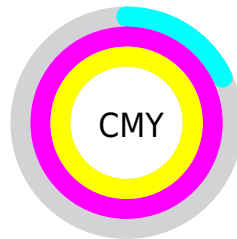


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (18%)



Cyan (18%)

Magenta (100%)


Yellow (98%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 26.3164, 13.5641, 1.3460 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 26.3164, 13.5641, 1.3460 by changing the saturation by 10% instead.





 26.3164, 13.5641,  
1.3460

 26.3164, 13.5641,  
1.3460


 276.5601,  
214.5019, 111.2133


 17.1944, 7.8181,  
0.0990


 53.2126, 32.3136,  
7.1602


 10.4694, 3.9788,  
0.0000


 71.7175, 46.0858,  
12.7976

 5.7759, 1.6617,  
0.0000

 94.0808, 63.3023,  
20.8132

 2.7487, 0.3987,  
0.0000

 120.6678, 84.3474,  
31.6255

 1.0223, 0.0000,  
0.0000


 151.8439,  
109.6056, 45.6532


 0.0000, 0.0000,  
0.0000


 187.9744,


139.4611, 63.3147


 229.4247,  
174.2984, 85.0285


 26.3164, 13.5641,  
1.3460


 26.3164, 13.5641,  
1.3460


 26.3159, 13.5638,  
1.3447

 26.7316, 14.1576,  
2.2158

 27.5907, 15.3898,  
4.0000

 29.0269, 17.4699,  
6.9217

 31.1177, 20.5134,  
11.1276

 33.9286, 24.6178,  
16.7424

■ 37.5172, 29.8688,  
23.8762

■ 41.9350, 36.3434,  
32.6281

■ 47.2295, 44.1116,  
43.0889

■ 53.4444, 53.2385,  
55.3427

# Harmonies

## Analogous

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



31.1973, 13.5641, 9.3729



26.3164, 13.5641, 1.3460



18.2369, 13.5641, 0.0000

# Triad

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



26.3164, 13.5641, 1.3460



3.9688, 13.5641, 4.9284



15.1928, 13.5641, 94.4801

# Complementary

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



26.3164, 13.5641, 1.3460



33.8257, 50.0107, 65.6561

# 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.



8.7095, 13.5641, 87.8602



26.3164, 13.5641, 1.3460



3.6638, 13.5641, 21.9178

# Square

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



26.3164, 13.5641, 1.3460



6.1182, 13.5641, 0.4328



5.0458, 13.5641, 54.9958



23.4100, 13.5641, 68.9484



# Rectangle

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



26.3164, 13.5641, 1.3460



13.0507, 13.5641, 0.0000



5.0458, 13.5641, 54.9958



12.7351, 13.5641, 96.2333

# Sweetspot

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



26.3167, 13.5650, 1.3462



65.4930, 56.5933, 50.6239



35.8754, 17.1657, 61.7435



13.3552, 11.1413, 9.5231



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.



26.3167, 13.5650, 1.3462



41.2664, 21.2706, 2.0692



30.6210, 22.2082, 2.6741



11.8177, 11.8118, 12.3158



16.2298, 8.3648, 0.8506



0.9107, 0.4690, 0.0647



# Inverse Universe

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



26.3167, 13.5650, 1.3462



41.2664, 21.2706, 2.0692



17.2470, 16.0794, 62.5157



11.8177, 11.8118, 12.3158



16.2298, 8.3648, 0.8506



0.9107, 0.4690, 0.0647



# Previews

## White Background



This preview shows how the XYZ color 26.3164, 13.5641, 1.3460 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 26.3164, 13.5641, 1.3460**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.3164, 13.5641, 1.3460.



This preview shows how white text looks on a background with the XYZ color 26.3164, 13.5641,



# 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

26.3164, 13.5641, 1.3460

### Protanopia

12.8231, 14.2388, 3.1094

### Deuteranopia

14.2300, 14.1009, 1.9717



## Tritanopia

25.9650, 13.7311, 1.2819

# Trichromacy



## Original Color

26.3164, 13.5641, 1.3460

## Protanomaly

14.8872, 10.6406, 1.8853

## Deuteranomaly

16.5368, 11.2461, 1.3278

## Tritanomaly

26.1494, 13.6750, 1.2900

# Monochromacy



## Original Color

26.3164, 13.5641, 1.3460

## Achromatopsia

4.7246, 4.9707, 5.4130

## Achromatomaly

8.3792, 5.3978, 2.7907

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.3164, 13.5641, 1.3460 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, 4)` looks like.

```
.text, #text, p{  
    color:rgb(209, 0, 4)  
}
```

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, 4) colored shadow looks like.

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

## Border

The CSS property to change the border of an element to XYZ 26.3164, 13.5641, 1.3460 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, 4) }
```



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

```
.border{ border-color:rgb(209, 0, 4) }
```

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, 4)` colored shadow looks like.

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

# Background

The CSS property to change the background color of an element to XYZ 26.3164, 13.5641, 1.3460 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, 4) }
```

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

```
.background{ background-color: rgb(209, 0,  
4) }
```

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](#).

Hey! You found this booklet  
interesting? Support Converting  
Colors with the new Membership  
Option!

The pro membership hides all ads, plus gives you  
double the colors in the color bucket, and more  
awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor