

# Converting Colors

XYZ(26.5383, 14.9740, 1.7882)

Have a look what the booklet for  
XYZ(26.5383, 14.9740, 1.7882)  
contains.

<b>XYZ(26.6508, 15.0151, 1.7807)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(26.6508, 15.0151,  
1.7807)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CF2B0A
RGB	207, 43, 10
RGB Percent	81%, 17%, 4%
CMY	0.1882, 0.8313, 0.9608
CMYK	0.00, 0.79, 0.95, 0.19
HSL	10°, 91%, 43%
HSV	10°, 95%, 81%
XYZ	26.6508, 15.0151, 1.7807
YIQ	88.2740, 108.3370, 24.5050

# Conversions

## Conversions Part 2

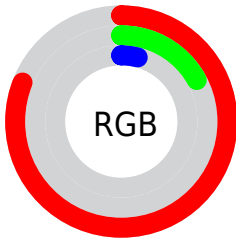
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 50, 10
Decimal	13576970
CIE Lab	45.65, 61.51, 55.54
CIE LCh	46, 82.869, 42.079
Yxy	15.0151, 0.6134, 0.3456
Android (android.graphics.Color)	4291767050 (0xFFCF2B0A)
YUV	88.2740, -38.5891, 104.1227
Hunter-Lab	38.7493, 54.9565, 24.3999

# Details

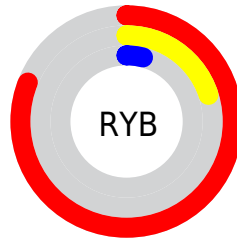
The XYZ color **26.6508, 15.0151, 1.7807** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **26.5209, 34.8361, 64.3572**, and the grayscale version is **9.4024, 9.8921, 10.7725**.

A 20% lighter version of the original color is **46.9597, 31.3083, 8.1255**, and **11.3277, 5.8396, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **26.3238, 14.4492, 1.4015**, and if you desaturate by 10%, it is **27.6041, 16.6202, 3.0289**.

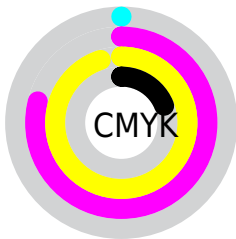
# Distribution



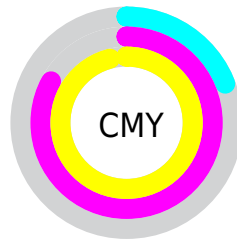
- Red (81%)
- Green (17%)
- Blue (4%)



- Red (81%)
- Yellow (20%)
- Blue (4%)



- Cyan (0%)
- Magenta (79%)
- Yellow (95%)
- Black (19%)




- Cyan (19%)
- Magenta (83%)
- Yellow (96%)


# Brightness & Saturation Gradients


These gradients show how the XYZ color 26.6508, 15.0151, 1.7807 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 26.6508, 15.0151, 1.7807 by changing the saturation by 10% instead.





 26.6508, 15.0151,  
1.7807


 26.6508, 15.0151,  
1.7807


 278.1608,  
223.4576, 118.8728


 17.4464, 8.8300,  
0.4152


 53.7469, 34.8797,  
8.4321


 10.6505, 4.6305,  
0.0000


 72.3692, 49.3279,  
14.6527


 5.8979, 2.0321,  
0.0000

 94.8615, 67.2993,  
23.3613

 2.8232, 0.6260,  
0.0000

 121.5892, 89.1783,  
34.9764

 1.0610, 0.0000,  
0.0000


 152.9177,  
115.3492, 49.9165


 0.0000, 0.0000,  
0.0000


 189.2122,


146.1965, 68.6003


 230.8381,  
182.1045, 91.4462


 26.6508, 15.0151,  
1.7807

 26.6508, 15.0151,  
1.7807


 26.3238, 14.4492,  
1.4015

 27.6041, 16.6202,  
3.0289

 29.0257, 18.8826,  
5.2934

 30.9708, 21.8663,  
8.7365

 33.4863, 25.6269,  
13.4914

 36.6135, 30.2141,  
19.6732

■ 40.3898, 35.6736,  
27.3847

■ 44.8496, 42.0478,  
36.7189

■ 50.0249, 49.3760,  
47.7614

■ 55.9455, 57.6955,  
60.5919

# Harmonies

## Analogous

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



31.7118, 15.0151, 9.5819



26.6508, 15.0151, 1.7807



18.7862, 15.0151, 0.0000

# Triad

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



26.6508, 15.0151, 1.7807



4.9647, 15.0151, 7.1804



17.2515, 15.0151, 89.4814

# Complementary

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



26.6508, 15.0151, 1.7807



26.5209, 34.8361, 64.3572

# 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.



10.5450, 15.0151, 86.3857



26.6508, 15.0151, 1.7807



4.7925, 15.0151, 25.7264

# Square

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



26.6508, 15.0151, 1.7807



7.0638, 15.0151, 1.2233



6.4788, 15.0151, 57.6903



25.2184, 15.0151, 64.3150



# Rectangle

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



26.6508, 15.0151, 1.7807



13.7925, 15.0151, 0.0000



6.4788, 15.0151, 57.6903



14.7613, 15.0151, 92.0567

# Sweetspot

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



26.6511, 15.0160, 1.7809



68.7536, 62.9342, 52.2668



33.4967, 16.5449, 41.5574



14.0696, 12.5452, 9.8383



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.



26.6511, 15.0160, 1.7809



42.0942, 22.9684, 2.2147



35.3608, 32.4354, 4.6841



11.9666, 12.1238, 12.3215



16.6325, 9.1980, 0.8988



0.9807, 0.6157, 0.0672

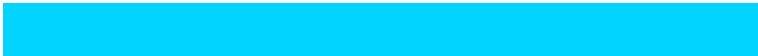


# Inverse Universe

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



26.5209, 34.8361, 64.3572



41.6602, 54.4403, 102.9201



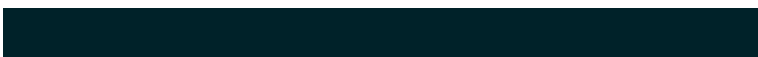
13.9492, 9.6927, 60.1667



11.9827, 13.0557, 15.1321



16.4880, 21.6226, 40.4971



0.9677, 1.3006, 2.2796



# Previews

## White Background



This preview shows how the XYZ color 26.6508, 15.0151, 1.7807 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

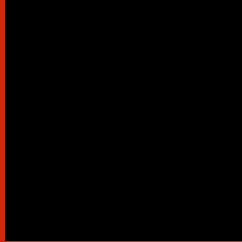
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 26.6508, 15.0151, 1.7807**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.6508, 15.0151, 1.7807.



This preview shows how white text looks on a background with the XYZ color 26.6508, 15.0151,



# 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

26.6508, 15.0151, 1.7807

### Protanopia

13.8348, 15.2274, 3.2469

### Deuteranopia

15.4315, 15.3039, 2.1406



## Tritanopia

26.8739, 14.9362, 3.4740

# Trichromacy



## Original Color

26.6508, 15.0151, 1.7807

## Protanomaly

16.7103, 13.4212, 2.4193

## Deuteranomaly

18.1435, 13.8299, 1.8280

## Tritanomaly

26.7468, 14.9400, 2.6364

# Monochromacy



## Original Color

26.6508, 15.0151, 1.7807

## Achromatopsia

9.2757, 9.7587, 10.6273

## Achromatomaly

12.4930, 9.7863, 5.5054

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.6508, 15.0151, 1.7807 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, 43, 10)` looks like.

```
.text, #text, p{  
    color:rgb(207, 43, 10)  
}
```

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, 43, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 43, 10) }
```

## Border

The CSS property to change the border of an element to XYZ 26.6508, 15.0151, 1.7807 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, 43, 10) }
```



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

```
.border{ border-color:rgb(207, 43, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 43, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 43, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 43, 10);  
box-shadow:4px 4px 4px 4px rgb(207, 43,  
10) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.6508, 15.0151, 1.7807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 43, 10) }
```

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

```
.background{ background-color: rgb(207, 43,  
10) }
```

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