

# Converting Colors

XYZ(29.9366, 21.3504, 2.5432)

Have a look what the booklet for  
XYZ(29.9366, 21.3504, 2.5432)  
contains.

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# Color

**XYZ(30.0151, 21.4153,  
2.5516)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D05E00
RGB	208, 94, 0
RGB Percent	82%, 37%, 0%
CMY	0.1843, 0.6313, 1.0000
CMYK	0.00, 0.55, 1.00, 0.18
HSL	27°, 100%, 41%
HSV	27°, 100%, 82%
XYZ	30.0151, 21.4153, 2.5516
YIQ	117.3700, 98.1180, -5.0660

# Conversions

## Conversions Part 2

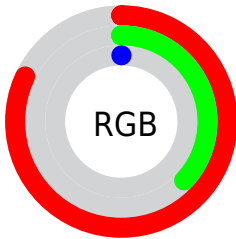
<b>Format</b>	<b>Color</b>
<b>RYB</b>	208, 172, 0
Decimal	13655552
CIELab	53.40, 41.35, 62.42
CIELCh	53, 74.875, 56.481
Yxy	21.4153, 0.5560, 0.3967
Android (android.graphics.Color)	4291845632 (0xFFD05E00)
YUV	117.3700, -57.8634, 79.4825
Hunter-Lab	46.2767, 34.7911, 29.1245

# Details

The XYZ color **30.0151, 21.4153, 2.5516** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **17.4021, 16.5880, 61.9586**, and the grayscale version is **17.1773, 18.0719, 19.6803**.

A 20% lighter version of the original color is **52.5991, 42.4976, 10.2811**, and **12.7179, 7.8387, 0.8427** is the 20% darker color. If you saturate the color by 10%, you get **30.0153, 21.4160, 2.5517**, and if you desaturate by 10%, it is **31.2388, 23.6494, 3.6184**.

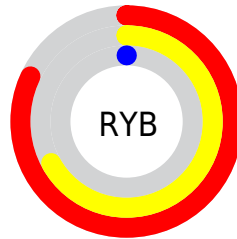
# Distribution



Red (82%)

Green (37%)

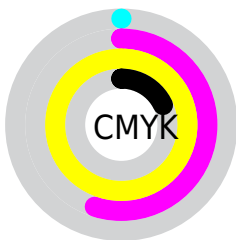
Blue (0%)



Red (82%)

Yellow (67%)

Blue (0%)

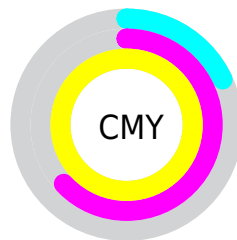


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (63%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0151, 21.4153, 2.5516 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 30.0151, 21.4153, 2.5516 by changing the saturation by 10% instead.



30.0151, 21.4153,  
2.5516

30.0151, 21.4153,  
2.5516

293.8834,  
259.4774, 130.4270

19.9982, 13.4279,  
0.8673

59.0725, 45.7777,  
10.5004

12.5020, 7.7239,  
0.0000

78.8437, 62.9215,  
17.6051

7.1611, 3.9188,  
0.0000

102.5971, 83.8862,  
27.3548

3.6103, 1.6282,  
0.0000

130.6979,  
109.0562, 40.1681

1.4841, 0.3765,  
0.0000

163.5116,  
138.8160, 56.4634


0.3150, 0.0000,  
0.0000


201.4035,


0.0000, 0.0000,


173.5498, 76.6593


0.0000


 244.7390,  
213.6422, 101.1743


 30.0151, 21.4153,  
2.5516


 30.0151, 21.4153,  
2.5516

 30.0153, 21.4160,  
2.5517

 31.2388, 23.6494,  
3.6184

 32.7618, 26.2516,  
5.4939

 34.6389, 29.2541,  
8.4369

 36.9019, 32.6785,  
12.5878

 39.5785, 36.5441,  
18.0657

■ 42.6930, 40.8687,  
24.9750

■ 46.2679, 45.6691,  
33.4096

■ 50.3238, 50.9608,  
43.4554

■ 54.8799, 56.7586,  
55.1916

# Harmonies

## Analogous

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



37.3292, 21.4153, 8.7387



30.0151, 21.4153, 2.5516



21.3072, 21.4153, 1.2339

# Triad

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



30.0151, 21.4153, 2.5516



8.5930, 21.4153, 20.7328



27.9588, 21.4153, 88.5400

# Complementary

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



30.0151, 21.4153, 2.5516



17.4021, 16.5880, 61.9586

# 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.



19.4308, 21.4153, 99.9769



30.0151, 21.4153, 2.5516



9.5100, 21.4153, 48.7887

# Square

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



30.0151, 21.4153, 2.5516



10.0862, 21.4153, 6.5361



13.0273, 21.4153, 82.1605



35.9412, 21.4153, 56.8042



# Rectangle

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



30.0151, 21.4153, 2.5516



16.3191, 21.4153, 1.4919



13.0273, 21.4153, 82.1605



25.0059, 21.4153, 95.5162

# Sweetspot

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



30.0156, 21.4165, 2.5520



73.1390, 72.1202, 52.4489



29.0724, 14.6340, 17.3321



15.1202, 14.7242, 9.9482



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.



30.0156, 21.4165, 2.5520



47.3989, 33.5777, 3.9830



46.1148, 53.6151, 7.9184



12.2424, 12.6756, 12.4134



18.8012, 13.5353, 1.6216



1.1300, 0.9143, 0.1169



# Inverse Universe

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



17.4021, 16.5880, 61.9586



27.3921, 25.9042, 98.1640



11.4981, 4.7800, 59.9905



11.6930, 12.4762, 15.0355



10.9436, 10.5338, 38.6489



0.6906, 0.7464, 2.1872



# Previews

## White Background



This preview shows how the XYZ color 30.0151, 21.4153, 2.5516 looks on a white 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



# Black Background



This preview shows how the XYZ color 30.0151, 21.4153, 2.5516 looks on a black 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

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

# XYZ 30.0151, 21.4153, 2.5516

## Background



This preview shows how black text looks on a background with the XYZ color 30.0151, 21.4153, 2.5516.



This preview shows how white text looks on a background with the XYZ color 30.0151, 21.4153,



# 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

30.0151, 21.4153, 2.5516

### Protanopia

19.4694, 21.6768, 3.7740

### Deuteranopia

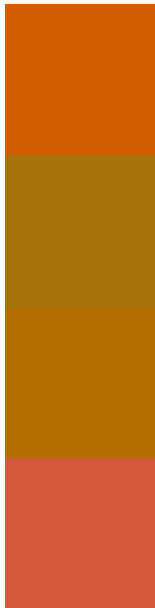
21.8598, 21.6004, 3.0172



## Tritanopia

32.2479, 21.4556, 12.7976

# Trichromacy



## Original Color

30.0151, 21.4153, 2.5516

## Protanomaly

22.2481, 20.7328, 3.1771

## Deuteranomaly

24.3846, 21.1720, 2.8014

## Tritanomaly

31.0239, 21.3297, 6.6196

# Monochromacy



## Original Color

30.0151, 21.4153, 2.5516

## Achromatopsia

16.9083, 17.7888, 19.3720

## Achromatomaly

19.2823, 17.9157, 8.9204

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.0151, 21.4153, 2.5516 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(208, 94, 0)` looks like.

```
.text, #text, p{  
    color:rgb(208, 94, 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(208, 94, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 94, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 30.0151, 21.4153, 2.5516 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(208, 94, 0) }
```



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

```
.border{ border-color:rgb(208, 94, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 94, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 94, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 94, 0);  
box-shadow:4px 4px 4px 4px rgb(208, 94, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 30.0151, 21.4153, 2.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 94, 0) }
```

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

```
.background{ background-color: rgb(208, 94,  
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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