

# Converting Colors

XYZ(25.8209, 19.0649, 2.8292)

Have a look what the booklet for  
XYZ(25.8209, 19.0649, 2.8292)  
contains.

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# Color

**XYZ(25.7538, 19.0756,  
2.8549)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C05D11
RGB	192, 93, 17
RGB Percent	75%, 36%, 7%
CMY	0.2471, 0.6353, 0.9333
CMYK	0.00, 0.52, 0.91, 0.25
HSL	26°, 84%, 41%
HSV	26°, 91%, 75%
XYZ	25.7538, 19.0756, 2.8549
YIQ	113.9370, 83.4000, -2.6480

# Conversions

## Conversions Part 2

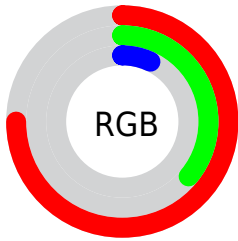
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 151, 17
Decimal	12606737
CIE <sub>Lab</sub>	50.78, 35.72, 55.71
CIE <sub>LCh</sub>	51, 66.182, 57.334
Yxy	19.0756, 0.5401, 0.4000
Android (android.graphics.Color)	4290796817 (0xFFC05D11)
YUV	113.9370, -47.7899, 68.4613
Hunter-Lab	43.6756, 28.8221, 26.6974

# Details

The XYZ color **25.7538, 19.0756, 2.8549** 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 **15.9907, 16.4151, 52.1946**, and the grayscale version is **16.0973, 16.9356, 18.4429**.

A 20% lighter version of the original color is **52.1358, 41.7766, 11.2771**, and **10.2239, 6.5530, 0.7260** is the 20% darker color. If you saturate the color by 10%, you get **24.8611, 17.4524, 2.0583**, and if you desaturate by 10%, it is **26.9967, 21.2090, 4.3563**.

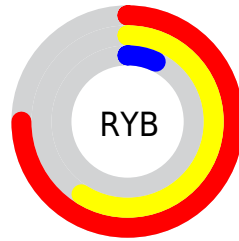
# Distribution



Red (75%)

Green (36%)

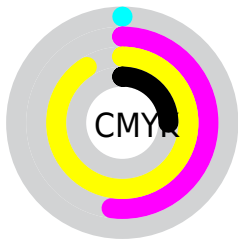
Blue (7%)



Red (75%)

Yellow (59%)

Blue (7%)

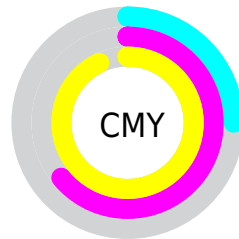


Cyan (0%)

Magenta (52%)

Yellow (91%)

Black (25%)



Cyan (25%)

Magenta (64%)


Yellow (93%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7538, 19.0756, 2.8549 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 25.7538, 19.0756, 2.8549 by changing the saturation by 10% instead.





 25.7538, 19.0756,  
2.8549


 25.7538, 19.0756,  
2.8549


273.8503,  
246.8658, 134.4906


 16.7713, 11.7249,  
1.0210


 52.3116, 41.8618,  
11.2682


 10.1658, 6.5567,  
0.0000


 70.6176, 58.0661,  
18.6848

 5.5722, 3.1864,  
0.0000

 92.7622, 77.9904,  
28.7993

 2.6249, 1.2298,  
0.0000

 119.1106,  
102.0191, 42.0304

 0.9587, 0.0859,  
0.0000

 150.0283,  
130.5366, 58.7965

 0.0000, 0.0000,  
0.0000

 185.8806,

163.9273, 79.5162

227.0328,  
202.5756, 104.6080

25.7538, 19.0756,  
2.8549

25.7538, 19.0756,  
2.8549

24.8611, 17.4524,  
2.0583

26.9967, 21.2090,  
4.3563

28.5373, 23.6858,  
6.7331

30.4031, 26.5260,  
10.1033

32.6175, 29.7467,  
14.5660

35.2013, 33.3634,  
20.2083

■ 38.1734, 37.3909,  
27.1080

■ 41.5513, 41.8428,  
35.3367

■ 45.3513, 46.7321,  
44.9600

■ 49.5888, 52.0713,  
56.0397

# Harmonies

## Analogous

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



31.6652, 19.0756, 8.2824



25.7538, 19.0756, 2.8549



18.7189, 19.0756, 1.6032

# Triad

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



25.7538, 19.0756, 2.8549



8.2873, 19.0756, 19.1479



24.5012, 19.0756, 71.6046

# Complementary

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



25.7538, 19.0756, 2.8549



15.9907, 16.4151, 52.1946

# 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.



17.5551, 19.0756, 81.0282



25.7538, 19.0756, 2.8549



9.1353, 19.0756, 41.9400

# Square

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



25.7538, 19.0756, 2.8549



9.5087, 19.0756, 6.8151



12.1834, 19.0756, 67.8687



30.8289, 19.0756, 46.7221



# Rectangle

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



25.7538, 19.0756, 2.8549



14.6540, 19.0756, 1.9086



12.1834, 19.0756, 67.8687



22.1181, 19.0756, 77.1566

# Sweetspot

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



25.7542, 19.0767, 2.8552



71.3525, 70.6533, 54.3644



25.1008, 12.8723, 17.7359



14.8725, 14.5796, 10.6175



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.7542, 19.0767, 2.8552



44.8076, 31.1436, 3.6497



38.2280, 44.0241, 7.0131



10.4250, 10.7814, 10.5934



16.8034, 11.8926, 1.4099



0.7944, 0.6507, 0.0837



# Inverse Universe

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



15.9907, 16.4151, 52.1946



26.8186, 26.0538, 93.9757



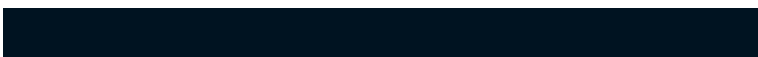
10.1769, 4.7876, 50.2567



9.9905, 10.6722, 12.8182



10.1329, 10.0222, 34.9570



0.5053, 0.5681, 1.5329



# Previews

## White Background



This preview shows how the XYZ color 25.7538, 19.0756, 2.8549 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 25.7538, 19.0756, 2.8549 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 25.7538, 19.0756, 2.8549**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.7538, 19.0756, 2.8549.



This preview shows how white text looks on a background with the XYZ color 25.7538, 19.0756,



# 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

25.7538, 19.0756, 2.8549

### Protanopia

17.4515, 19.3076, 3.7267

### Deuteranopia

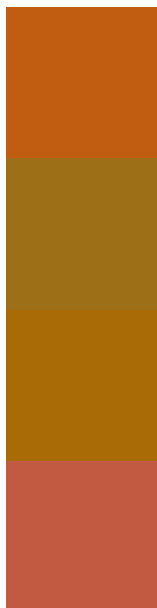
19.4572, 19.1315, 2.6672



## Tritanopia

27.8456, 19.1912, 12.3619

# Trichromacy



## Original Color

25.7538, 19.0756, 2.8549

## Protanomaly

19.7339, 18.5949, 3.3081

## Deuteranomaly

21.4390, 18.8534, 2.6814

## Tritanomaly

26.7746, 18.9957, 7.2564

# Monochromacy



## Original Color

25.7538, 19.0756, 2.8549

## Achromatopsia

15.9940, 16.8269, 18.3245

## Achromatomaly

17.7206, 16.6234, 9.6718

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.7538, 19.0756, 2.8549 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(192, 93, 17)` looks like.

```
.text, #text, p{  
    color:rgb(192, 93, 17)  
}
```

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(192, 93, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 93, 17) }
```

## Border

The CSS property to change the border of an element to XYZ 25.7538, 19.0756, 2.8549 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(192, 93, 17) }
```



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

```
.border{ border-color:rgb(192, 93, 17) }
```

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

Here you see how a box with a 4 pixel rgb(192, 93, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 93, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 93, 17);  
box-shadow:4px 4px 4px 4px rgb(192, 93,  
17) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.7538, 19.0756, 2.8549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 93, 17) }
```

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

```
.background{ background-color: rgb(192, 93,  
17) }
```

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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