

# Converting Colors

XYZ(25.3425, 18.6962, 2.2730)

Have a look what the booklet for  
XYZ(25.3425, 18.6962, 2.2730)  
contains.

<b>XYZ(25.3130, 18.7307, 2.2812)</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(25.3130, 18.7307,  
2.2812)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF5C00
RGB	191, 92, 0
RGB Percent	75%, 36%, 0%
CMY	0.2510, 0.6392, 1.0000
CMYK	0.00, 0.52, 1.00, 0.25
HSL	29°, 100%, 37%
HSV	29°, 100%, 75%
XYZ	25.3130, 18.7307, 2.2812
YIQ	111.1130, 88.5360, -7.6240

# Conversions

## Conversions Part 2

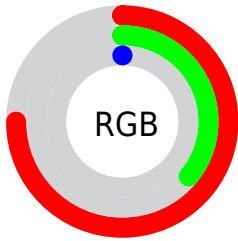
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 177, 0
Decimal	12540928
CIE Lab	50.37, 35.61, 59.30
CIE LCh	50, 69.168, 59.013
Yxy	18.7307, 0.5464, 0.4043
Android (android.graphics.Color)	4290731008 (0xFFBF5C00)
YUV	111.1130, -54.7787, 70.0609
Hunter-Lab	43.2790, 28.6628, 27.1702

# Details

The XYZ color **25.3130, 18.7307, 2.2812** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.8654, 12.6844, 51.0073**, and the grayscale version is **15.2792, 16.0749, 17.5056**.

A 20% lighter version of the original color is **51.7158, 41.3651, 9.8160**, and **10.0339, 6.4018, 0.7068** is the 20% darker color. If you saturate the color by 10%, you get **25.3132, 18.7314, 2.2814**, and if you desaturate by 10%, it is **26.3462, 20.6079, 3.2099**.

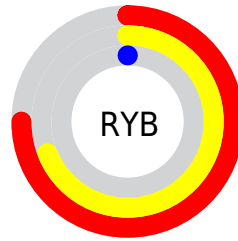
# Distribution



Red (75%)

Green (36%)

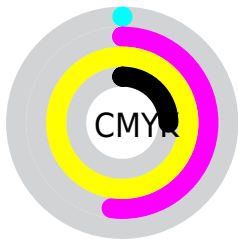
Blue (0%)



Red (75%)

Yellow (69%)

Blue (0%)

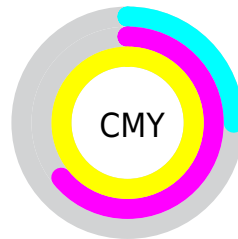


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (64%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3130, 18.7307, 2.2812 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 25.3130, 18.7307, 2.2812 by changing the saturation by 10% instead.





 25.3130, 18.7307,  
2.2812


 25.3130, 18.7307,  
2.2812


271.7121,  
244.9580, 126.6009


 16.4404, 11.4759,  
0.7207


 51.6038, 41.2785,  
9.7962

 9.9291, 6.3879,  
0.0000


 69.7527, 57.3403,  
16.6078

 5.4139, 3.0823,  
0.0000

 91.7243, 77.1066,  
26.0133

 2.5293, 1.1749,  
0.0000

 117.8842,  
100.9616, 38.4315


 0.9101, 0.0410,  
0.0000


 148.5975,  
129.2899, 54.2808


 0.0000, 0.0000,  
0.0000


 184.2297,


162.4758, 73.9798


 225.1461,  
200.9037, 97.9469


 25.3130, 18.7307,  
2.2812

 25.3130, 18.7307,  
2.2812


 25.3132, 18.7314,  
2.2814

 26.3462, 20.6079,  
3.2099

 27.6115, 22.7630,  
4.7894

 29.1551, 25.2214,  
7.2422

 31.0019, 27.9991,  
10.6816

 33.1735, 31.1103,  
15.2032

■ 35.6890, 34.5682,  
20.8914

■ 38.5658, 38.3849,  
27.8221

■ 41.8202, 42.5719,  
36.0646

■ 45.4672, 47.1401,  
45.6833

# Harmonies

## Analogous

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



31.6515, 18.7307, 7.2023



25.3130, 18.7307, 2.2812



18.0263, 18.7307, 1.2631

# Triad

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



25.3130, 18.7307, 2.2812



7.7615, 18.7307, 19.7643



24.8291, 18.7307, 72.8430

# Complementary

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



25.3130, 18.7307, 2.2812



13.8654, 12.6844, 51.0073

# 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.



17.5815, 18.7307, 84.2200



25.3130, 18.7307, 2.2812



8.7298, 18.7307, 44.1036

# Square

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



25.3130, 18.7307, 2.2812



8.8688, 18.7307, 6.6651



11.9480, 18.7307, 71.3650



31.3263, 18.7307, 45.9740



# Rectangle

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



25.3130, 18.7307, 2.2812



13.9187, 18.7307, 1.6050



11.9480, 18.7307, 71.3650



22.3500, 18.7307, 79.1462

# Sweetspot

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



25.3134, 18.7317, 2.2815



68.8116, 68.4075, 49.1860



23.8774, 12.0330, 13.6001



14.6126, 14.3663, 9.5860



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.



25.3134, 18.7317, 2.2815



45.0960, 33.0671, 4.0058



38.7579, 45.6207, 6.7630



9.8992, 10.2743, 10.0380



16.7155, 12.4698, 1.5259



0.7203, 0.6195, 0.0816



# Inverse Universe

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



13.8654, 12.6844, 51.0073



24.5879, 22.2277, 91.2736



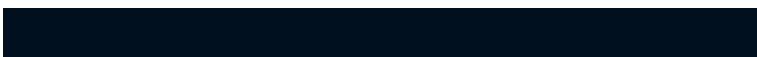
9.4731, 3.8999, 49.5432



9.4145, 10.0213, 12.1103



9.1931, 8.4980, 33.5486



0.4253, 0.4633, 1.3359



# Previews

## White Background



This preview shows how the XYZ color 25.3130, 18.7307, 2.2812 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 25.3130, 18.7307, 2.2812 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 25.3130, 18.7307, 2.2812**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.3130, 18.7307, 2.2812.



This preview shows how white text looks on a background with the XYZ color 25.3130, 18.7307,



# 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

25.3130, 18.7307, 2.2812

### Protanopia

17.0919, 18.9495, 3.2871

### Deuteranopia

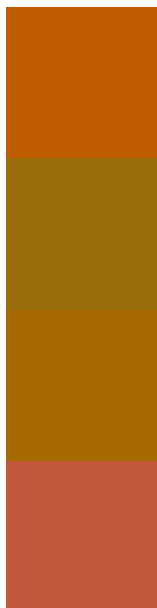
18.9662, 18.7100, 2.6118



## Tritanopia

27.4643, 18.8802, 12.0943

# Trichromacy



## Original Color

25.3130, 18.7307, 2.2812

## Protanomaly

19.3466, 18.2439, 2.8184

## Deuteranomaly

20.8799, 18.4151, 2.4540

## Tritanomaly

26.2458, 18.6224, 6.2142

# Monochromacy



## Original Color

25.3130, 18.7307, 2.2812

## Achromatopsia

15.1092, 15.8961, 17.3108

## Achromatomaly

16.9029, 15.9310, 8.1454

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.3130, 18.7307, 2.2812 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(191, 92, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 92, 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(191, 92, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 92, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 25.3130, 18.7307, 2.2812 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(191, 92, 0) }
```



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

```
.border{ border-color:rgb(191, 92, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 92, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 92, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 92, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 92, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 25.3130, 18.7307, 2.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 92, 0) }
```

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

```
.background{ background-color: rgb(191, 92,  
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](#).

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