

# Converting Colors

XYZ(28.7190, 25.8183, 3.7864)

Have a look what the booklet for  
XYZ(28.7190, 25.8183, 3.7864)  
contains.

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# Color

**XYZ(28.7565, 25.8930,  
3.7988)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BE7E0B
RGB	190, 126, 11
RGB Percent	75%, 49%, 4%
CMY	0.2549, 0.5059, 0.9568
CMYK	0.00, 0.34, 0.94, 0.25
HSL	39°, 89%, 39%
HSV	39°, 94%, 75%
XYZ	28.7565, 25.8930, 3.7988
YIQ	132.0260, 75.0590, -22.1970

# Conversions

## Conversions Part 2

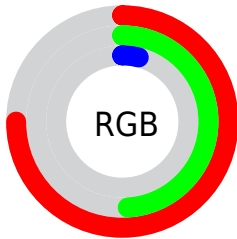
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	111, 190, 11
Decimal	12484107
CIE <sub>Lab</sub>	57.94, 16.98, 62.12
CIE <sub>LCh</sub>	58, 64.400, 74.717
Yxy	25.8930, 0.4920, 0.4430
Android (android.graphics.Color)	4290674187 (0xFFBE7E0B)
YUV	132.0260, -59.6658, 50.8432
Hunter-Lab	50.8852, 11.8258, 31.1934

# Details

The XYZ color **28.7565, 25.8930, 3.7988** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.9485, 8.8213, 49.7879**, and the grayscale version is **22.1320, 23.2846, 25.3569**.

A 20% lighter version of the original color is **57.1064, 53.2305, 13.5680**, and **12.0139, 10.1330, 1.3227** is the 20% darker color. If you saturate the color by 10%, you get **28.2032, 24.8833, 3.3165**, and if you desaturate by 10%, it is **29.8295, 27.7607, 5.0150**.

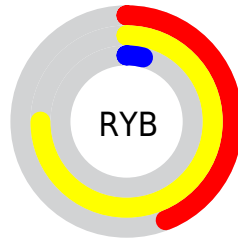
# Distribution



Red (75%)

Green (49%)

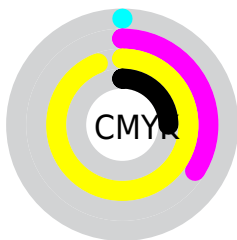
Blue (4%)



Red (44%)

Yellow (75%)

Blue (4%)

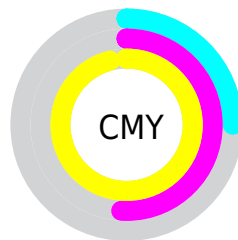


Cyan (0%)

Magenta (34%)

Yellow (94%)

Black (25%)



Cyan (25%)

Magenta (51%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7565, 25.8930, 3.7988 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 28.7565, 25.8930, 3.7988 by changing the saturation by 10% instead.



■ 28.7565, 25.8930,  
3.7988

■ 28.7565, 25.8930,  
3.7988

288.0793,  
282.2564, 145.9621

■ 19.0400, 16.7436,  
1.5156

■ 57.0902, 53.1023,  
13.5430

■ 11.8034, 10.0519,  
0.2295

■ 76.4382, 71.9310,  
21.8411

■ 6.6812, 5.4334,  
0.0000

■ 99.7274, 94.7549,  
32.9813

■ 3.3081, 2.5037,  
0.0000

■ 127.3232,  
121.9584, 47.3821

■ 1.3187, 0.8785,  
0.0000

■ 159.5909,  
153.9259, 65.4620

■ 0.1972, 0.0000,  
0.0000

■ 196.8960,

■ 0.0000, 0.0000,

191.0418, 87.6396

0.0000

239.6036,  
233.6905, 114.3335

28.7565, 25.8930,  
3.7988

28.7565, 25.8930,  
3.7988

28.2032, 24.8833,  
3.3165

29.8295, 27.7607,  
5.0150

31.1081, 29.8058,  
7.0201

32.6169, 32.0410,  
9.9355

34.3760, 34.4758,  
13.8611

36.4026, 37.1191,  
18.8838

■ 38.7126, 39.9787,  
25.0808

■ 41.3201, 43.0618,  
32.5224

■ 44.2384, 46.3754,  
41.2735

■ 47.4798, 49.9258,  
51.3940

# Harmonies

## Analogous

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



36.8078, 25.8930, 7.5490



28.7565, 25.8930, 3.7988



21.0115, 25.8930, 3.7701

# Triad

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



28.7565, 25.8930, 3.7988



12.8168, 25.8930, 40.5008



36.6715, 25.8930, 70.7610

# Complementary

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



28.7565, 25.8930, 3.7988



11.9485, 8.8213, 49.7879

# 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.



28.5987, 25.8930, 93.0037



28.7565, 25.8930, 3.7988



15.4581, 25.8930, 70.2106

# Square

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



28.7565, 25.8930, 3.7988



12.8415, 25.8930, 18.3632



20.8835, 25.8930, 92.7615



41.9906, 25.8930, 41.0227



# Rectangle

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



28.7565, 25.8930, 3.7988



17.0538, 25.8930, 5.6367



20.8835, 25.8930, 92.7615



34.1231, 25.8930, 79.9199

# Sweetspot

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



28.7571, 25.8943, 3.7993



72.8043, 75.6116, 52.9252



22.6817, 11.7173, 8.0206



15.5412, 16.0729, 10.3594



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.



28.7571, 25.8943, 3.7993



50.8650, 44.6052, 5.9288



34.2278, 44.9724, 7.1934



10.0275, 10.5310, 10.0808



18.8300, 16.6987, 2.2307



0.7973, 0.7735, 0.1073



# Inverse Universe

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



11.9485, 8.8213, 49.7879



20.3680, 13.7880, 89.8670



10.1028, 4.3123, 49.0148



9.2882, 9.7686, 12.0682



7.6199, 5.3516, 33.0242



0.3611, 0.3348, 1.3144



# Previews

## White Background



This preview shows how the XYZ color 28.7565, 25.8930, 3.7988 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 28.7565, 25.8930, 3.7988 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 28.7565, 25.8930, 3.7988**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.7565, 25.8930, 3.7988.



This preview shows how white text looks on a background with the XYZ color 28.7565, 25.8930,



# 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

28.7565, 25.8930, 3.7988

### Protanopia

23.3839, 25.9647, 4.3095

### Deuteranopia

26.3827, 25.8496, 3.5990



## Tritanopia

32.6329, 25.8310, 23.0046

# Trichromacy



## Original Color

28.7565, 25.8930, 3.7988

## Protanomaly

25.1124, 25.7975, 4.1078

## Deuteranomaly

27.2960, 25.9191, 3.6791

## Tritanomaly

30.3090, 25.4105, 11.6948

# Monochromacy



## Original Color

28.7565, 25.8930, 3.7988

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

22.8810, 23.4421, 12.5513

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.7565, 25.8930, 3.7988 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(190, 126, 11)` looks like.

```
.text, #text, p{  
    color:rgb(190, 126, 11)  
}
```

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(190, 126, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 126, 11) }
```

## Border

The CSS property to change the border of an element to XYZ 28.7565, 25.8930, 3.7988 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(190, 126, 11) }
```



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

```
.border{ border-color:rgb(190, 126, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 126, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 126, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 126, 11);  
box-shadow:4px 4px 4px 4px rgb(190, 126,  
11) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.7565, 25.8930, 3.7988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 126, 11) }
```

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

```
.background{ background-color: rgb(190,  
126, 11) }
```

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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