

# Converting Colors

XYZ(26.8458, 22.6483, 2.9566)

Have a look what the booklet for  
XYZ(26.8458, 22.6483, 2.9566)  
contains.

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# Color

**XYZ(26.8914, 22.6291,  
2.9505)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD7100
RGB	189, 113, 0
RGB Percent	74%, 44%, 0%
CMY	0.2588, 0.5568, 1.0000
CMYK	0.00, 0.40, 1.00, 0.26
HSL	36°, 100%, 37%
HSV	36°, 100%, 74%
XYZ	26.8914, 22.6291, 2.9505
YIQ	122.8420, 81.5690, -19.0310

# Conversions

## Conversions Part 2

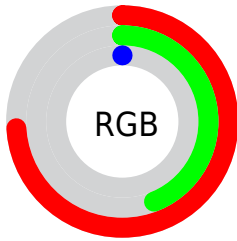
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 189, 0
Decimal	12415232
CIELab	54.69, 23.55, 61.80
CIELCh	55, 66.139, 69.139
Yxy	22.6291, 0.5125, 0.4313
Android (android.graphics.Color)	4290605312 (0xFFBD7100)
YUV	122.8420, -60.5611, 58.0206
Hunter-Lab	47.5701, 17.6586, 29.6216

# Details

The XYZ color **26.8914, 22.6291, 2.9505** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **11.7697, 8.8430, 49.2302**, and the grayscale version is **18.9500, 19.9369, 21.7113**.

A 20% lighter version of the original color is **54.2222, 47.8128, 11.5252**, and **10.8867, 8.3339, 1.0348** is the 20% darker color. If you saturate the color by 10%, you get **26.8916, 22.6297, 2.9506**, and if you desaturate by 10%, it is **27.8923, 24.4445, 3.8601**.

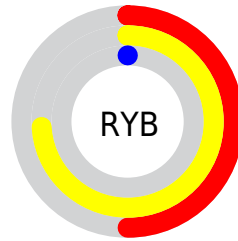
# Distribution



Red (74%)

Green (44%)

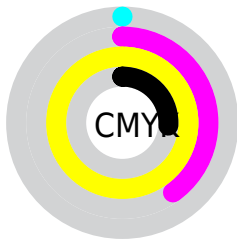
Blue (0%)



Red (50%)

Yellow (74%)

Blue (0%)

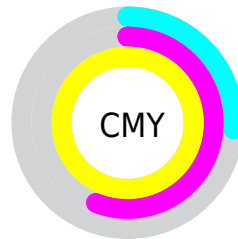


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (56%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8914, 22.6291, 2.9505 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 26.8914, 22.6291, 2.9505 by changing the saturation by 10% instead.




 26.8914, 22.6291,  
2.9505


 26.8914, 22.6291,  
2.9505


279.3081,  
265.8142, 135.7277


 17.6278, 14.3199,  
1.0694


 54.1307, 47.7836,  
11.5060


 10.7812, 8.3435,  
0.0000


 72.8371, 65.3976,  
19.0176

 5.9861, 4.3155,  
0.0000


 95.4218, 86.8821,  
29.2430

 2.8772, 1.8516,  
0.0000

 122.2503,  
112.6214, 42.6009

 1.0892, 0.5190,  
0.0000

 153.6878,  
142.9998, 59.5098


 0.0160, 0.0000,  
0.0000


 190.0997,


 0.0000, 0.0000,


178.4018, 80.3882


0.0000


 231.8513,  
219.2118, 105.6546


 26.8914, 22.6291,  
2.9505


 26.8914, 22.6291,  
2.9505


 26.8916, 22.6297,  
2.9506

 27.8923, 24.4445,  
3.8601

 29.0788, 26.4493,  
5.3900

 30.4940, 28.6645,  
7.7582

 32.1602, 31.1016,  
11.0741

 34.0965, 33.7704,  
15.4304

■ 36.3197, 36.6802,  
20.9086

■ 38.8451, 39.8394,  
27.5821

■ 41.6867, 43.2557,  
35.5179

■ 44.8576, 46.9366,  
44.7781

# Harmonies

## Analogous

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



34.3035, 22.6291, 7.0022



26.8914, 22.6291, 2.9505



19.3594, 22.6291, 2.4648

# Triad

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



26.8914, 22.6291, 2.9505



10.4316, 22.6291, 31.5756



31.6159, 22.6291, 70.6845

# Complementary

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



26.8914, 22.6291, 2.9505



11.7697, 8.8430, 49.2302

# 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.



23.8106, 22.6291, 89.2525



26.8914, 22.6291, 2.9505



12.3711, 22.6291, 59.6225

# Square

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



26.8914, 22.6291, 2.9505



10.8953, 22.6291, 12.9375



16.8962, 22.6291, 84.3444



37.4309, 22.6291, 41.8617



# Rectangle

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



26.8914, 22.6291, 2.9505



15.3836, 22.6291, 3.5859



16.8962, 22.6291, 84.3444



29.0748, 22.6291, 78.9068

# Sweetspot

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



26.8919, 22.6303, 2.9509



69.3408, 71.0691, 48.7713



22.3885, 11.3798, 8.3667



14.4893, 14.7602, 9.3564



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



26.8919, 22.6303, 2.9509



47.9219, 40.0475, 5.2042



35.4864, 45.3076, 6.8751



9.9916, 10.4593, 10.0689



18.1701, 15.3790, 2.0108



0.7742, 0.7274, 0.0996



# Inverse Universe

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



11.7697, 8.8430, 49.2302



20.8592, 15.3970, 88.0987



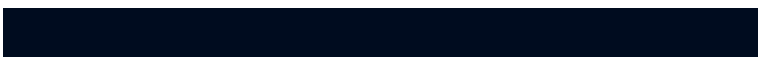
9.3948, 3.7823, 48.3786



9.3229, 9.8382, 12.0798



7.9895, 6.0907, 33.1474



0.3773, 0.3672, 1.3199



# Previews

## White Background



This preview shows how the XYZ color 26.8914, 22.6291, 2.9505 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 26.8914, 22.6291, 2.9505 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 26.8914, 22.6291, 2.9505**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.8914, 22.6291, 2.9505.



This preview shows how white text looks on a background with the XYZ color 26.8914, 22.6291,



# 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

26.8914, 22.6291, 2.9505

### Protanopia

20.5433, 22.8301, 3.7394

### Deuteranopia

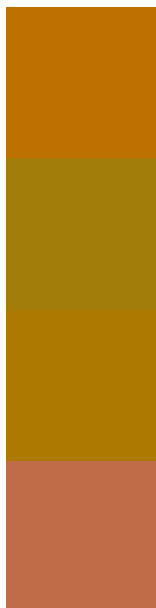
23.0595, 22.7742, 3.1805



## Tritanopia

30.0245, 22.6329, 18.4089

# Trichromacy



## Original Color

26.8914, 22.6291, 2.9505

## Protanomaly

22.4872, 22.4735, 3.4111

## Deuteranomaly

24.2929, 22.6734, 3.0960

## Tritanomaly

28.2705, 22.3995, 8.9644

# Monochromacy



## Original Color

26.8914, 22.6291, 2.9505

## Achromatopsia

18.8265, 19.8069, 21.5697

## Achromatomaly

20.0046, 19.9468, 10.0035

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.8914, 22.6291, 2.9505 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(189, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 113, 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(189, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 113, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 26.8914, 22.6291, 2.9505 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(189, 113, 0) }
```



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

```
.border{ border-color:rgb(189, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 113,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.8914, 22.6291, 2.9505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 113, 0) }
```

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

```
.background{ background-color: rgb(189,  
113, 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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