

# Converting Colors

XYZ(23.1237, 17.0454, 2.0714)

Have a look what the booklet for  
XYZ(23.1237, 17.0454, 2.0714)  
contains.

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# Color

**XYZ(23.2569, 17.1698,  
2.0883)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B85800
RGB	184, 88, 0
RGB Percent	72%, 35%, 0%
CMY	0.2784, 0.6549, 1.0000
CMYK	0.00, 0.52, 1.00, 0.28
HSL	29°, 100%, 36%
HSV	29°, 100%, 72%
XYZ	23.2569, 17.1698, 2.0883
YIQ	106.6720, 85.4640, -7.0160

# Conversions

## Conversions Part 2

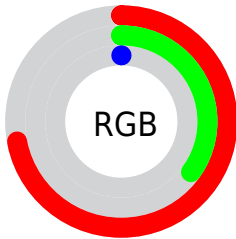
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 169, 0
Decimal	12081152
CIELab	48.47, 34.83, 57.63
CIElCh	48, 67.334, 58.849
Yxy	17.1698, 0.5470, 0.4039
Android (android.graphics.Color)	4290271232 (0xFFB85800)
YUV	106.6720, -52.5893, 67.8167
Hunter-Lab	41.4365, 27.6723, 26.0174

# Details

The XYZ color **23.2569, 17.1698, 2.0883** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.8343, 11.8258, 46.9532**, and the grayscale version is **14.0093, 14.7389, 16.0506**.

A 20% lighter version of the original color is **48.2264, 38.6859, 9.3402**, and **8.8939, 5.6620, 0.6241** is the 20% darker color. If you saturate the color by 10%, you get **23.2571, 17.1705, 2.0884**, and if you desaturate by 10%, it is **24.2104, 18.8970, 2.9612**.

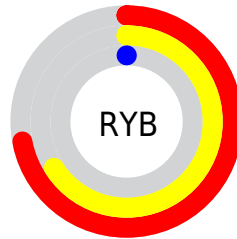
# Distribution



Red (72%)

Green (35%)

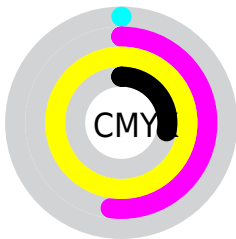
Blue (0%)



Red (72%)

Yellow (66%)

Blue (0%)

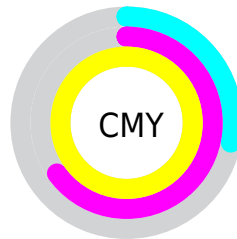


Cyan (0%)

Magenta (52%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (65%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2569, 17.1698, 2.0883 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 23.2569, 17.1698, 2.0883 by changing the saturation by 10% instead.





 23.2569, 17.1698,  
2.0883


 23.2569, 17.1698,  
2.0883


261.5525,  
236.1490, 123.7332


 14.9051, 10.3556,  
0.6088


 48.2784, 38.6175,  
9.2808


 8.8387, 5.6354,  
0.0000

 65.6787, 54.0198,  
15.8728


 4.6924, 2.6247,  
0.0000

 86.8259, 73.0536,  
25.0200

 2.1008, 0.9391,  
0.0000

 112.0854, 96.1033,  
37.1410

 0.6897, 0.0000,  
0.0000

 141.8224,  
123.5533, 52.6543

 0.0000, 0.0000,  
0.0000

 176.4023,

155.7880, 71.9783

216.1906,  
193.1918, 95.5318

23.2569, 17.1698,  
2.0883

23.2569, 17.1698,  
2.0883

23.2571, 17.1705,  
2.0884

24.2104, 18.8970,  
2.9612

25.3770, 20.8808,  
4.4270

26.8000, 23.1452,  
6.6950

28.5024, 25.7046,  
9.8679

30.5036, 28.5724,  
14.0332

■ 32.8213, 31.7605,  
19.2677

■ 35.4715, 35.2802,  
25.6405

■ 38.4689, 39.1422,  
33.2150

■ 41.8273, 43.3564,  
42.0498

# Harmonies

## Analogous

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



29.0705, 17.1698, 6.6271



23.2569, 17.1698, 2.0883



16.5588, 17.1698, 1.1468

# Triad

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



23.2569, 17.1698, 2.0883



7.1005, 17.1698, 18.0210



22.7383, 17.1698, 67.0313

# Complementary

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



23.2569, 17.1698, 2.0883



12.8343, 11.8258, 46.9532

# 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.



16.0823, 17.1698, 77.3839



23.2569, 17.1698, 2.0883



7.9783, 17.1698, 40.3449

# Square

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



23.2569, 17.1698, 2.0883



8.1271, 17.1698, 6.0526



10.9201, 17.1698, 65.4457



28.7219, 17.1698, 42.3507



# Rectangle

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



23.2569, 17.1698, 2.0883



12.7791, 17.1698, 1.4529



10.9201, 17.1698, 65.4457



20.4597, 17.1698, 72.7984

# Sweetspot

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



23.2573, 17.1707, 2.0886



64.0454, 63.6194, 45.8475



21.9780, 11.0747, 12.5679



13.3603, 13.1264, 8.7960



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



23.2573, 17.1707, 2.0886



41.9238, 30.6535, 3.7071



35.6608, 41.9778, 6.2231



9.3494, 9.7018, 9.4868



16.0988, 11.9739, 1.4627



0.6296, 0.5462, 0.0722



# Inverse Universe

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



12.8343, 11.8258, 46.9532



23.0242, 20.9545, 85.0357



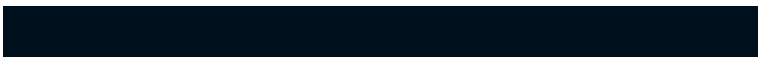
8.7183, 3.5939, 45.5813



8.8983, 9.4738, 11.4391



8.9165, 8.2926, 32.3838

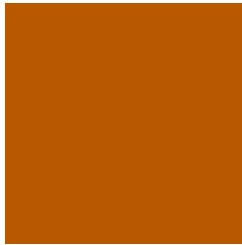


0.3759, 0.4155, 1.1621



# Previews

## White Background



This preview shows how the XYZ color 23.2569, 17.1698, 2.0883 looks on a white 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



# Black Background



This preview shows how the XYZ color 23.2569, 17.1698, 2.0883 looks on a black 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

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

**XYZ 23.2569, 17.1698, 2.0883**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.2569, 17.1698, 2.0883.



This preview shows how white text looks on a background with the XYZ color 23.2569, 17.1698,



# 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

23.2569, 17.1698, 2.0883

### Protanopia

15.6990, 17.3535, 3.0123

### Deuteranopia

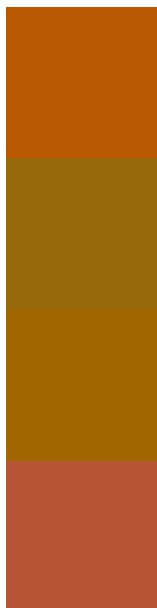
17.4300, 17.2629, 2.4134



## Tritanopia

25.2311, 17.2875, 11.0238

# Trichromacy



## Original Color

23.2569, 17.1698, 2.0883

## Protanomaly

17.7865, 16.8140, 2.5951

## Deuteranomaly

19.2486, 16.9763, 2.2622

## Tritanomaly

24.1096, 17.0556, 5.6358

# Monochromacy



## Original Color

23.2569, 17.1698, 2.0883

## Achromatopsia

13.9749, 14.7027, 16.0113

## Achromatomaly

15.5922, 14.6826, 7.4811

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.2569, 17.1698, 2.0883 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(184, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(184, 88, 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(184, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 88, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 23.2569, 17.1698, 2.0883 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(184, 88, 0) }
```



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

```
.border{ border-color:rgb(184, 88, 0) }
```

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

Here you see how a box with a 4 pixel rgb(184, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(184, 88, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 23.2569, 17.1698, 2.0883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 88, 0) }
```

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

```
.background{ background-color: rgb(184, 88,  
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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