

# Converting Colors

XYZ(30.3246, 29.2345, 2.7843)

Have a look what the booklet for  
XYZ(30.3246, 29.2345, 2.7843)  
contains.

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# Color

**XYZ(30.5743, 29.2533,  
4.0350)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BF8A00
RGB	191, 138, 0
RGB Percent	75%, 54%, 0%
CMY	0.2510, 0.4588, 1.0000
CMYK	0.00, 0.28, 1.00, 0.25
HSL	43°, 100%, 37%
HSV	43°, 100%, 75%
XYZ	30.5743, 29.2533, 4.0350
YIQ	138.1150, 75.8860, -31.6820

# Conversions

## Conversions Part 2

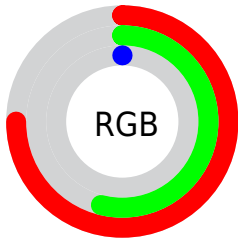
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	73, 191, 0
Decimal	12552704
CIE <sub>Lab</sub>	61.00, 10.67, 66.09
CIE <sub>LCh</sub>	61, 66.944, 80.824
Yxy	29.2533, 0.4788, 0.4581
Android (android.graphics.Color)	4290742784 (0xFFBF8A00)
YUV	138.1150, -68.0907, 46.3801
Hunter-Lab	54.0863, 6.2527, 33.4372

# Details

The XYZ color **30.5743, 29.2533, 4.0350** is a dark color, and the websafe version is hex **CC9900**. A complement of this color would be **10.6773, 6.3082, 49.9446**, and the grayscale version is **24.4342, 25.7067, 27.9946**.

A 20% lighter version of the original color is **59.9130, 58.4120, 14.0781**, and **13.0054, 11.8850, 1.6086** is the 20% darker color. If you saturate the color by 10%, you get **30.5745, 29.2539, 4.0351**, and if you desaturate by 10%, it is **31.4724, 30.8603, 4.9189**.

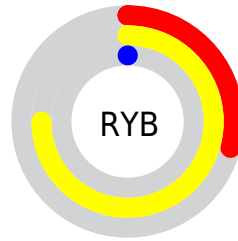
# Distribution



Red (75%)

Green (54%)

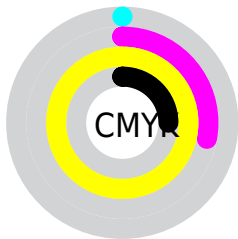
Blue (0%)



Red (29%)

Yellow (75%)

Blue (0%)

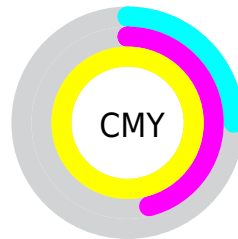


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (46%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5743, 29.2533, 4.0350 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 30.5743, 29.2533, 4.0350 by changing the saturation by 10% instead.





 30.5743, 29.2533,  
4.0350


 30.5743, 29.2533,  
4.0350


296.4343,  
298.4082, 148.6136


 20.4251, 19.2725,  
1.6446


 59.9496, 58.4793,  
14.0904


 12.8145, 11.8674,  
0.3223


 79.9065, 78.4933,  
22.5924


 7.3771, 6.6534,  
0.0000


 103.8634,  
102.6205, 33.9688

 3.7474, 3.2463,  
0.0000

 132.1855,  
131.2453, 48.6379

 1.5603, 1.2616,  
0.0000

 165.2383,  
164.7520, 67.0184

 0.3663, 0.1112,  
0.0000

 203.3872,

 0.0000, 0.0000,

203.5252, 89.5289

0.0000

246.9974,  
247.9491, 116.5877

30.5743, 29.2533,  
4.0350

30.5743, 29.2533,  
4.0350

30.5745, 29.2539,  
4.0351

31.4724, 30.8603,  
4.9189

32.5239, 32.5876,  
6.4274

33.7717, 34.4544,  
8.7820

35.2377, 36.4703,  
12.0947

36.9402, 38.6433,  
16.4603

■ 38.8956, 40.9809,  
21.9622

■ 41.1185, 43.4895,  
28.6753

■ 43.6224, 46.1752,  
36.6682

■ 46.4196, 49.0439,  
46.0040

# Harmonies

## Analogous

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



39.8433, 29.2533, 7.1986



30.5743, 29.2533, 4.0350



22.2422, 29.2533, 4.7076

# Triad

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



30.5743, 29.2533, 4.0350



14.8579, 29.2533, 52.2343



42.9915, 29.2533, 73.0117

# Complementary

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



30.5743, 29.2533, 4.0350



10.6773, 6.3082, 49.9446

# 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.



34.2243, 29.2533, 101.4434



30.5743, 29.2533, 4.0350



18.4735, 29.2533, 85.7044

# Square

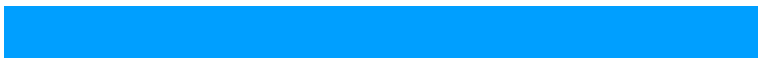
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



30.5743, 29.2533, 4.0350



14.2835, 29.2533, 24.7700



25.2070, 29.2533, 107.0213



47.9389, 29.2533, 40.1693



# Rectangle

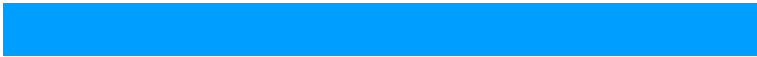
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



30.5743, 29.2533, 4.0350



18.1926, 29.2533, 7.5343



25.2070, 29.2533, 107.0213



40.3165, 29.2533, 83.9920

# Sweetspot

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



30.5750, 29.2548, 4.0356



73.4418, 77.6677, 50.7293



22.1545, 11.3440, 4.5272



15.7430, 16.6270, 9.9628



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.



30.5750, 29.2548, 4.0356



54.5449, 51.9650, 7.1554



31.1382, 43.7091, 6.7958



10.0924, 10.6607, 10.1024



20.1637, 19.3663, 2.6753



0.8421, 0.8631, 0.1222



# Inverse Universe

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



10.6773, 6.3082, 49.9446



18.9482, 10.9482, 89.3937



10.3341, 4.2413, 49.5637



9.2262, 9.6448, 12.0476



7.0759, 4.2636, 32.8429

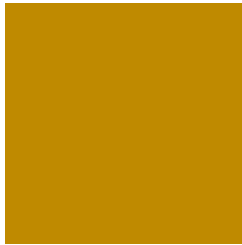


0.3342, 0.2811, 1.3055



# Previews

## White Background



This preview shows how the XYZ color 30.5743, 29.2533, 4.0350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

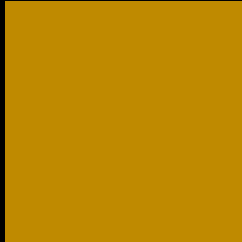
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.5743, 29.2533, 4.0350 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 30.5743, 29.2533, 4.0350**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.5743, 29.2533, 4.0350.



This preview shows how white text looks on a background with the XYZ color 30.5743, 29.2533,



# 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

30.5743, 29.2533, 4.0350

### Protanopia

26.5867, 29.4195, 4.5939

### Deuteranopia

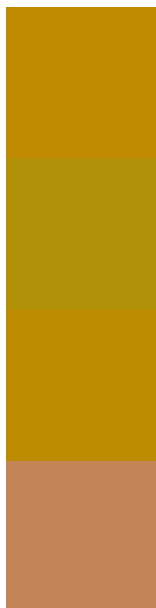
29.8716, 29.3210, 4.0851



## Tritanopia

35.3326, 29.1436, 27.8078

# Trichromacy



## Original Color

30.5743, 29.2533, 4.0350

## Protanomaly

27.9161, 29.1920, 4.3643

## Deuteranomaly

29.9717, 29.1566, 4.0481

## Tritanomaly

32.5184, 28.8092, 13.0793

# Monochromacy



## Original Color

30.5743, 29.2533, 4.0350

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

24.7546, 26.0496, 12.9559

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.5743, 29.2533, 4.0350 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, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 138, 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, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 138, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 30.5743, 29.2533, 4.0350 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, 138, 0) }
```



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

```
.border{ border-color:rgb(191, 138, 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, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 138,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.5743, 29.2533, 4.0350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 138, 0) }
```

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

```
.background{ background-color: rgb(191,  
138, 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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