

# Converting Colors

XYZ(29.5583, 28.5930, 4.6873)

Have a look what the booklet for  
XYZ(29.5583, 28.5930, 4.6873)  
contains.

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# Color

**XYZ(29.5745, 28.5103,  
4.6538)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB8915
RGB	187, 137, 21
RGB Percent	73%, 54%, 8%
CMY	0.2667, 0.4627, 0.9176
CMYK	0.00, 0.27, 0.89, 0.27
HSL	42°, 80%, 41%
HSV	42°, 89%, 73%
XYZ	29.5745, 28.5103, 4.6538
YIQ	138.7260, 67.0360, -25.4760

# Conversions

## Conversions Part 2

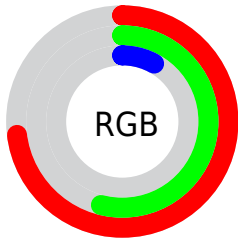
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	93, 187, 21
Decimal	12290325
CIE <sub>Lab</sub>	60.35, 9.73, 61.71
CIE <sub>LCh</sub>	60, 62.469, 81.036
Yxy	28.5103, 0.4714, 0.4544
Android (android.graphics.Color)	4290480405 (0xFFBB8915)
YUV	138.7260, -58.0389, 42.3363
Hunter-Lab	53.3950, 5.4265, 32.2089

# Details

The XYZ color **29.5745, 28.5103, 4.6538** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **11.5322, 8.2539, 47.9985**, and the grayscale version is **24.6342, 25.9171, 28.2237**.

A 20% lighter version of the original color is **58.2192, 57.1803, 15.5578**, and **12.5430, 11.6466, 1.5869** is the 20% darker color. If you saturate the color by 10%, you get **28.6725, 26.9028, 3.7478**, and if you desaturate by 10%, it is **30.6394, 30.2522, 6.2058**.

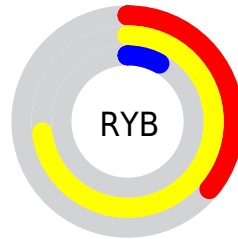
# Distribution



Red (73%)

Green (54%)

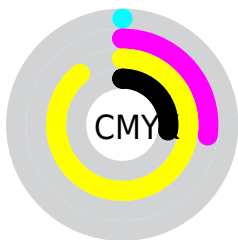
Blue (8%)



Red (36%)

Yellow (73%)

Blue (8%)

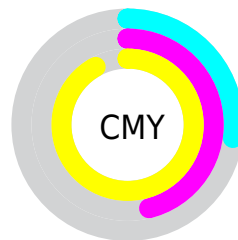


Cyan (0%)

Magenta (27%)

Yellow (89%)

Black (27%)



Cyan (27%)

Magenta (46%)


Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5745, 28.5103, 4.6538 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 29.5745, 28.5103, 4.6538 by changing the saturation by 10% instead.





 29.5745, 28.5103,  
4.6538


 29.5745, 28.5103,  
4.6538


291.8616,  
294.8974, 155.2366


 19.6623, 18.7107,  
1.9904


 58.3799, 57.2981,  
15.4916


 12.2566, 11.4614,  
0.5494

 78.0038, 77.0551,  
24.5031


 6.9922, 6.3781,  
0.0000


 101.5956,  
100.9001, 36.4677

 3.5035, 3.0763,  
0.0000

 129.5208,  
129.2173, 51.8040

 1.4253, 1.1717,  
0.0000

 162.1446,  
162.3913, 70.9305

 0.2741, 0.0384,  
0.0000

 199.8324,

 0.0000, 0.0000,

200.8063, 94.2657

0.0000

242.9497,  
244.8469, 122.2282

29.5745, 28.5103,  
4.6538

29.5745, 28.5103,  
4.6538

28.6725, 26.9028,  
3.7478

30.6394, 30.2522,  
6.2058

28.5665, 26.7111,  
3.6501

31.8996, 32.1388,  
8.5796

33.3760, 34.1807,  
11.8794

35.0858, 36.3859,  
16.1937

37.0445, 38.7612,  
21.6004

■ 39.2659, 41.3133,  
28.1699

■ 41.7628, 44.0481,  
35.9666

■ 44.5471, 46.9712,  
45.0500

■ 47.6297, 50.0879,  
55.4761

# Harmonies

## Analogous

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



38.0067, 28.5103, 7.7994



29.5745, 28.5103, 4.6538



21.9277, 28.5103, 5.3662

# Triad

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



29.5745, 28.5103, 4.6538



15.0960, 28.5103, 49.7631



40.9553, 28.5103, 67.9532

# Complementary

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



29.5745, 28.5103, 4.6538



11.5322, 8.2539, 47.9985

# 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.



33.0236, 28.5103, 93.2623



29.5745, 28.5103, 4.6538



18.5064, 28.5103, 79.6467

# Square

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



29.5745, 28.5103, 4.6538



14.5344, 28.5103, 24.6532



24.7641, 28.5103, 98.3612



45.3785, 28.5103, 38.4509



# Rectangle

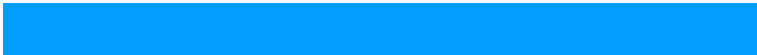
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



29.5745, 28.5103, 4.6538



18.1769, 28.5103, 8.2156



24.7641, 28.5103, 98.3612



38.5449, 28.5103, 77.7369

# Sweetspot

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



29.5751, 28.5117, 4.6543



70.8917, 74.6251, 52.1804



21.9832, 11.5899, 7.4815



15.2944, 16.0775, 10.5278



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.



29.5751, 28.5117, 4.6543



50.9456, 47.4051, 6.4650



31.7259, 42.7190, 7.2833



10.0731, 10.6221, 10.0960



19.7485, 18.5357, 2.5369



0.8284, 0.8357, 0.1176



# Inverse Universe

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



11.5322, 8.2539, 47.9985



18.4446, 11.1858, 85.3883



10.6253, 4.8397, 47.3873



9.2445, 9.6813, 12.0537



7.2215, 4.5547, 32.8914



0.3421, 0.2969, 1.3081



# Previews

## White Background



This preview shows how the XYZ color 29.5745, 28.5103, 4.6538 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 29.5745, 28.5103, 4.6538 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 29.5745, 28.5103, 4.6538**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.5745, 28.5103, 4.6538.



This preview shows how white text looks on a background with the XYZ color 29.5745, 28.5103,

4.6538.

# 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

29.5745, 28.5103, 4.6538

### Protanopia

25.7536, 28.5162, 5.0110

### Deuteranopia

28.9819, 28.4178, 4.6195



## Tritanopia

34.0970, 28.3223, 27.3366

# Trichromacy



## Original Color

29.5745, 28.5103, 4.6538

## Protanomaly

26.9904, 28.4774, 4.8848

## Deuteranomaly

29.2223, 28.5418, 4.6307

## Tritanomaly

31.6677, 28.1352, 14.5880

# Monochromacy



## Original Color

29.5745, 28.5103, 4.6538

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

24.9101, 26.0894, 14.7892

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.5745, 28.5103, 4.6538 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(187, 137, 21)` looks like.

```
.text, #text, p{  
    color:rgb(187, 137, 21)  
}
```

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(187, 137, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 137, 21) }
```

## Border

The CSS property to change the border of an element to XYZ 29.5745, 28.5103, 4.6538 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(187, 137, 21) }
```



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

```
.border{ border-color:rgb(187, 137, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 137, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 137, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 137, 21);  
box-shadow:4px 4px 4px 4px rgb(187, 137,  
21) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.5745, 28.5103, 4.6538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 137, 21) }
```

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

```
.background{ background-color: rgb(187,  
137, 21) }
```

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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