

# Converting Colors

XYZ(29.5399, 25.6792, 5.8942)

Have a look what the booklet for  
XYZ(29.5399, 25.6792, 5.8942)  
contains.

<b>XYZ(29.5489, 25.6928, 5.8844)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(29.5489, 25.6928,  
5.8844)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C17B2D
RGB	193, 123, 45
RGB Percent	76%, 48%, 18%
CMY	0.2431, 0.5176, 0.8235
CMYK	0.00, 0.36, 0.77, 0.24
HSL	32°, 62%, 47%
HSV	32°, 77%, 76%
XYZ	29.5489, 25.6928, 5.8844
YIQ	135.0380, 66.7580, -9.4180

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	178, 193, 45
Decimal	12679981
CIE Lab	57.74, 20.85, 51.53
CIE LCh	58, 55.590, 67.967
Yxy	25.6928, 0.4834, 0.4203
Android (android.graphics.Color)	4290870061 (0xFFC17B2D)
YUV	135.0380, -44.3887, 50.8327
Hunter-Lab	50.6881, 15.3535, 28.5986

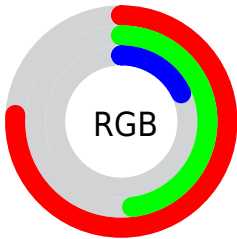
# Details

The XYZ color **29.5489, 25.6928, 5.8844** is a dark color, and the websafe version is hex **996600**.

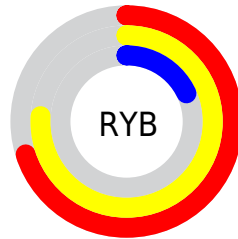
The color can be described as dark muted orange. A complement of this color would be **16.8381, 16.6687, 52.7816**, and the grayscale version is **23.1861, 24.3936, 26.5646**.

A 20% lighter version of the original color is **58.5097, 52.9660, 18.2060**, and **12.2803, 9.9659, 1.2764** is the 20% darker color. If you saturate the color by 10%, you get **28.1788, 23.4177, 3.9948**, and if you desaturate by 10%, it is **31.1955, 28.2497, 8.7042**.

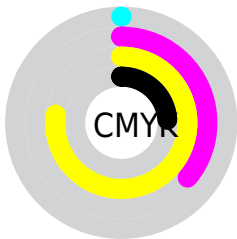
# Distribution



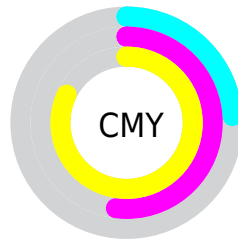
- Red (76%)
- Green (48%)
- Blue (18%)



- Red (70%)
- Yellow (76%)
- Blue (18%)



- Cyan (0%)
- Magenta (36%)
- Yellow (77%)
- Black (24%)




- Cyan (24%)
- Magenta (52%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5489, 25.6928, 5.8844 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 29.5489, 25.6928, 5.8844 by changing the saturation by 10% instead.





 29.5489, 25.6928,  
5.8844


 29.5489, 25.6928,  
5.8844


291.7438,  
281.2708, 167.3051


 19.6428, 16.5940,  
2.7073

 58.3396, 52.7789,  
18.1640


 12.2424, 9.9454,  
0.9471


 77.9549, 71.5350,  
28.1035


 6.9824, 5.3628,  
0.0000


 101.5373, 94.2790,  
41.1343

 3.4973, 2.4617,  
0.0000

 129.4523,  
121.3952, 57.6748

 1.4219, 0.8573,  
0.0000

 162.0650,  
153.2681, 78.1436

 0.2717, 0.0000,  
0.0000

 199.7409,

 0.0000, 0.0000,

190.2821, 102.9592

0.0000

242.8454,  
232.8215, 132.5402

■ 29.5489, 25.6928,  
5.8844

■ 29.5489, 25.6928,  
5.8844

■ 28.1788, 23.4177,  
3.9948

■ 31.1955, 28.2497,  
8.7042

■ 27.0534, 21.4037,  
2.8893

■ 33.1402, 31.0980,  
12.5619

■ 26.7163, 20.7856,  
2.6039

■ 35.4039, 34.2516,  
17.5514

■ 38.0047, 37.7218,  
23.7560

■ 40.9591, 41.5191,  
31.2507

■ 44.2827, 45.6536,  
40.1047

■ 47.9898, 50.1348,  
50.3820

■ 52.0937, 54.9717,  
62.1426

■ 56.6075, 60.1730,  
75.4430

# Harmonies

## Analogous

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



35.9776, 25.6928, 10.9286



29.5489, 25.6928, 5.8844



22.6872, 25.6928, 5.0996

# Triad

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



29.5489, 25.6928, 5.8844



13.8024, 25.6928, 33.3752



33.1809, 25.6928, 68.0195

# Complementary

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



29.5489, 25.6928, 5.8844



16.8381, 16.6687, 52.7816

# 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.



26.2394, 25.6928, 82.3200



29.5489, 25.6928, 5.8844



15.6481, 25.6928, 57.1653

# Square

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



29.5489, 25.6928, 5.8844



14.3650, 25.6928, 16.3441



19.9222, 25.6928, 77.6360



38.3262, 25.6928, 44.1215



# Rectangle

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



29.5489, 25.6928, 5.8844



18.8911, 25.6928, 6.4706



19.9222, 25.6928, 77.6360



30.9349, 25.6928, 74.5089

# Sweetspot

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



29.5495, 25.6941, 5.8849



75.2620, 76.7542, 60.9636



26.1142, 14.4877, 18.1064



15.6993, 15.9043, 11.9072



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.



29.5495, 25.6941, 5.8849



49.0643, 39.4551, 5.6911



40.9120, 49.3450, 9.8511



10.5027, 10.9368, 10.6193



17.8502, 13.9862, 1.7588



0.8399, 0.7415, 0.0989



# Inverse Universe

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



16.8381, 16.6687, 52.7816



25.3420, 22.6726, 93.4009



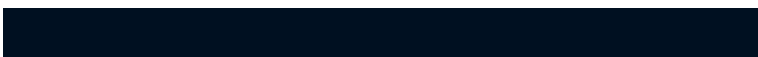
11.7581, 6.3427, 51.0562



9.9123, 10.5160, 12.7922



8.9851, 7.7267, 34.5745

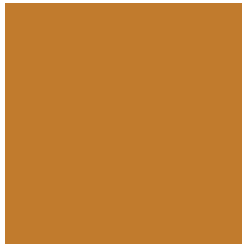


0.4572, 0.4718, 1.5168



# Previews

## White Background



This preview shows how the XYZ color 29.5489, 25.6928, 5.8844 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

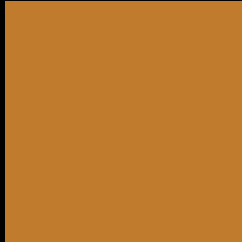
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.5489, 25.6928, 5.8844 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 29.5489, 25.6928, 5.8844**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.5489, 25.6928, 5.8844.



This preview shows how white text looks on a background with the XYZ color 29.5489, 25.6928,



# 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

29.5489, 25.6928, 5.8844

### Protanopia

23.4973, 25.7549, 6.6385

### Deuteranopia

26.1247, 25.6684, 5.7681



## Tritanopia

32.7948, 25.5870, 22.2791

# Trichromacy



## Original Color

29.5489, 25.6928, 5.8844

## Protanomaly

25.2832, 25.4235, 6.3710

## Deuteranomaly

27.3424, 25.6987, 5.8047

## Tritanomaly

31.3089, 25.5189, 14.1019

# Monochromacy



## Original Color

29.5489, 25.6928, 5.8844

## Achromatopsia

23.0288, 24.2281, 26.3844

## Achromatomaly

24.2249, 24.2598, 15.9762

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.5489, 25.6928, 5.8844 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(193, 123, 45)` looks like.

```
.text, #text, p{  
    color:rgb(193, 123, 45)  
}
```

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(193, 123, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 123, 45) }
```

## Border

The CSS property to change the border of an element to XYZ 29.5489, 25.6928, 5.8844 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(193, 123, 45) }
```



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

```
.border{ border-color:rgb(193, 123, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 123, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 123, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 123, 45);  
box-shadow:4px 4px 4px 4px rgb(193, 123,  
45) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.5489, 25.6928, 5.8844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 123, 45) }
```

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

```
.background{ background-color: rgb(193,  
123, 45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor