

# Converting Colors

XYZ(26.9023, 42.1430, 8.3702)

Have a look what the booklet for  
XYZ(26.9023, 42.1430, 8.3702)  
contains.

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# Color

**XYZ(26.8596, 42.1189,  
8.3832)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	76C124
RGB	118, 193, 36
RGB Percent	46%, 76%, 14%
CMY	0.5373, 0.2431, 0.8588
CMYK	0.39, 0.00, 0.81, 0.24
HSL	89°, 69%, 45%
HSV	89°, 81%, 76%
XYZ	26.8596, 42.1189, 8.3832
YIQ	152.6770, 5.6970, -64.7270

# Conversions

## Conversions Part 2

Format	Color
<b>RYB</b>	36, 193, 111
Decimal	7782692
CIELab	70.95, -46.68, 64.83
CIELCh	71, 79.893, 125.755
Yxy	42.1189, 0.3472, 0.5444
Android (android.graphics.Color)	4285972772 (0xFF76C124)
YUV	152.6770, -57.5218, -30.4117
Hunter-Lab	64.8991, -39.6981, 37.7707

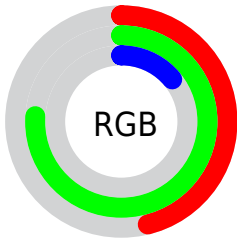
# Details

The XYZ color **26.8596, 42.1189, 8.3832** is a dark color, and the websafe version is hex **66CC33**.

The color can be described as dark muted chartreuse. A complement of this color would be **16.8144, 8.4930, 51.2077**, and the grayscale version is **30.3794, 31.9615, 34.8061**.

A 20% lighter version of the original color is **54.2014, 78.4458, 23.3512**, and **11.0363, 19.3950, 3.1619** is the 20% darker color. If you saturate the color by 10%, you get **25.4493, 41.4185, 7.1717**, and if you desaturate by 10%, it is **28.5531, 42.9496, 10.4385**.

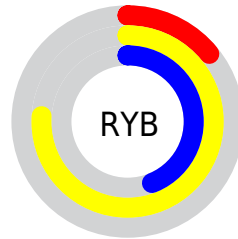
# Distribution



Red (46%)

Green (76%)

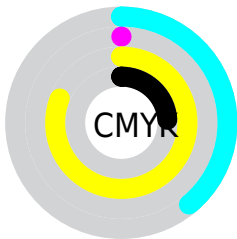
Blue (14%)



Red (14%)

Yellow (76%)

Blue (44%)

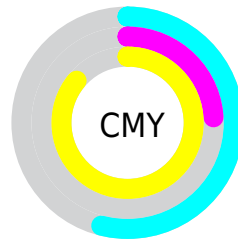


Cyan (39%)

Magenta (0%)

Yellow (81%)

Black (24%)



Cyan (54%)

Magenta (24%)


Yellow (86%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8596, 42.1189, 8.3832 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 26.8596, 42.1189, 8.3832 by changing the saturation by 10% instead.





 26.8596, 42.1189,  
8.3832


 26.8596, 42.1189,  
8.3832


279.1566,  
354.9756, 188.7529


 17.6038, 29.1944,  
4.2498


 54.0800, 78.3795,  
23.2648


 10.7639, 19.2279,  
1.7634


 72.7753, 102.4845,  
34.8501


 5.9744, 11.8351,  
0.4036


 95.3479, 131.0850,  
49.7564

 2.8700, 6.6315,  
0.0000

 122.1630,  
164.5656, 68.4023

 1.0854, 3.2327,  
0.0000

 153.5861,  
203.3105, 91.2064

 0.0129, 1.2544,  
0.0000

 189.9825,

 0.0000, 0.1055,

247.7042, 118.5872

0.0000

231.7176,  
298.1311, 150.9632

■ 0.0000, 0.0000,  
0.0000

■ 26.8596, 42.1189,  
8.3832

■ 26.8596, 42.1189,  
8.3832

■ 25.4493, 41.4185,  
7.1717

■ 28.5531, 42.9496,  
10.4385

■ 24.4150, 40.8968,  
6.6071

■ 30.5526, 43.9157,  
13.4529

■ 32.8812, 45.0284,  
17.5266

■ 35.5584, 46.2957,  
22.7466

■ 38.6019, 47.7252,  
29.1906

■ 42.0282, 49.3238,  
36.9298

■ 45.8525, 51.0979,  
46.0297

■ 50.0891, 53.0534,  
56.5516

■ 54.7516, 55.1962,  
68.5529

# Harmonies

## Analogous

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



37.5200, 42.1189, 4.7546



26.8596, 42.1189, 8.3832



20.9331, 42.1189, 21.8610

# Triad

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



26.8596, 42.1189, 8.3832



30.4136, 42.1189, 150.4568



71.2885, 42.1189, 38.8940

# Complementary

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



26.8596, 42.1189, 8.3832



16.8144, 8.4930, 51.2077

# 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.



68.2062, 42.1189, 83.0364



26.8596, 42.1189, 8.3832



42.6552, 42.1189, 164.3243

# Square

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



26.8596, 42.1189, 8.3832



22.6440, 42.1189, 103.4271



56.9324, 42.1189, 134.8004



64.6093, 42.1189, 14.9746

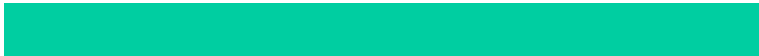


# Rectangle

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



26.8596, 42.1189, 8.3832



19.5450, 42.1189, 40.6447



56.9324, 42.1189, 134.8004



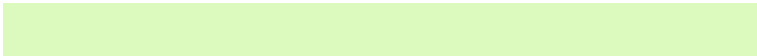
71.3749, 42.1189, 51.5040

# Sweetspot

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



26.8606, 42.1207, 8.3841



73.3344, 87.4343, 61.6830



27.8098, 22.4610, 4.5394



15.2590, 18.5366, 12.1621



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.



26.8606, 42.1207, 8.3841



43.8387, 73.2983, 11.9810



20.3136, 38.7456, 8.0777



10.4351, 11.5118, 10.7339



16.3310, 27.2478, 4.3986



0.7848, 1.2181, 0.1938



# Inverse Universe

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



16.8144, 8.4930, 51.2077



25.3199, 11.1419, 91.1764



30.9399, 15.7750, 51.8687



9.9758, 9.9787, 12.6851



9.4427, 4.1283, 33.8558



0.4875, 0.2194, 1.4665



# Previews

## White Background



This preview shows how the XYZ color 26.8596, 42.1189, 8.3832 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 26.8596, 42.1189, 8.3832 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 ✓ Pass

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

**XYZ 26.8596, 42.1189, 8.3832**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.8596, 42.1189, 8.3832.



This preview shows how white text looks on a background with the XYZ color 26.8596, 42.1189,



# 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

26.8596, 42.1189, 8.3832

### Protanopia

37.6966, 41.5882, 7.3368

### Deuteranopia

42.4883, 41.5416, 8.9109



## Tritanopia

36.7063, 42.0265, 57.2162

# Trichromacy



## Original Color

26.8596, 42.1189, 8.3832

## Protanomaly

32.5321, 40.9678, 7.6318

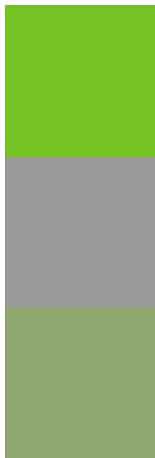
## Deuteranomaly

34.8792, 40.6810, 8.5987

## Tritanomaly

31.2244, 41.3294, 29.9986

# Monochromacy



## Original Color

26.8596, 42.1189, 8.3832

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

27.6323, 34.7065, 19.9945

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.8596, 42.1189, 8.3832 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(118, 193, 36)` looks like.

```
.text, #text, p{  
    color:rgb(118, 193, 36)  
}
```

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(118, 193, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 193, 36) }
```

## Border

The CSS property to change the border of an element to XYZ 26.8596, 42.1189, 8.3832 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(118, 193, 36) }
```



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

```
.border{ border-color:rgb(118, 193, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 193, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 193, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 193, 36);  
box-shadow:4px 4px 4px 4px rgb(118, 193,  
36) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.8596, 42.1189, 8.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 193, 36) }
```

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

```
.background{ background-color: rgb(118,  
193, 36) }
```

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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