

# Converting Colors

XYZ(15.9297, 26.3880, 4.2545)

Have a look what the booklet for  
XYZ(15.9297, 26.3880, 4.2545)  
contains.

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# Color

**XYZ(15.8830, 26.3385,  
4.2467)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	549E00
RGB	84, 158, 0
RGB Percent	33%, 62%, 0%
CMY	0.6706, 0.3804, 0.9999
CMYK	0.47, 0.00, 1.00, 0.38
HSL	88°, 100%, 31%
HSV	88°, 100%, 62%
XYZ	15.8830, 26.3385, 4.2467
YIQ	117.8620, 6.6140, -64.8260

# Conversions

## Conversions Part 2

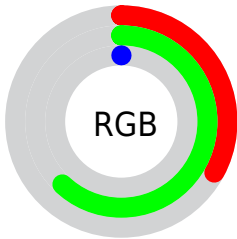
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 158, 74
Decimal	5545472
CIELab	58.36, -45.10, 60.38
CIElCh	58, 75.362, 126.760
Yxy	26.3385, 0.3418, 0.5668
Android (android.graphics.Color)	4283735552 (0xFF549E00)
YUV	117.8620, -58.1060, -29.6970
Hunter-Lab	51.3210, -34.5691, 31.0186

# Details

The XYZ color **15.8830, 26.3385, 4.2467** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.9973, 3.9255, 32.6327**, and the grayscale version is **17.3524, 18.2561, 19.8809**.

A 20% lighter version of the original color is **35.9485, 53.7191, 14.6050**, and **5.4226, 10.4465, 1.7306** is the 20% darker color. If you saturate the color by 10%, you get **15.8830, 26.3393, 4.2469**, and if you desaturate by 10%, it is **16.6735, 26.7362, 4.7647**.

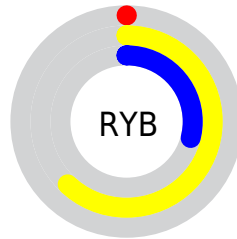
# Distribution



Red (33%)

Green (62%)

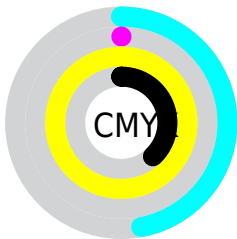
Blue (0%)



Red (0%)

Yellow (62%)

Blue (29%)

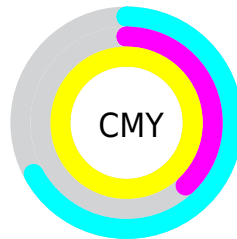


Cyan (47%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (67%)

Magenta (38%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8830, 26.3385, 4.2467 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 15.8830, 26.3385, 4.2467 by changing the saturation by 10% instead.



■ 15.8830, 26.3385,  
4.2467

■ 15.8830, 26.3385,  
4.2467

221.9343,  
284.4398, 150.9292

■ 9.5317, 17.0770,  
1.7616

■ 35.9541, 53.8205,  
14.5748

■ 5.1495, 10.2894,  
0.4025

■ 50.4045, 72.8099,  
23.2550

■ 2.3709, 5.5913,  
0.0000

■ 68.2855, 95.8107,  
34.8373

■ 0.8306, 2.5982,  
0.0000

■ 89.9622, 123.2073,  
49.7402


■ 0.0000, 0.9258,  
0.0000


■ 115.8001,  
155.3841, 68.3823


■ 0.0000, 0.0000,  
0.0000


■ 146.1645,


192.7255, 91.1821


 181.4208,  
235.6160, 118.5583


 15.8830, 26.3385,  
4.2467


 15.8830, 26.3385,  
4.2467


 15.8830, 26.3393,  
4.2469

 16.6735, 26.7362,  
4.7647

 17.6068, 27.1985,  
5.6610

 18.7168, 27.7400,  
7.1012

 20.0186, 28.3670,  
9.1543

 21.5250, 29.0848,  
11.8793

■ 23.2477, 29.8984,  
15.3281

■ 25.1974, 30.8121,  
19.5473

■ 27.3838, 31.8301,  
24.5800

■ 29.8160, 32.9562,  
30.4659

# Harmonies

## Analogous

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



23.0123, 26.3385, 2.0683



15.8830, 26.3385, 4.2467



12.0610, 26.3385, 12.9933

# Triad

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



15.8830, 26.3385, 4.2467



18.6925, 26.3385, 104.7692



46.9838, 26.3385, 23.1273

# Complementary

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



15.8830, 26.3385, 4.2467



8.9973, 3.9255, 32.6327

# 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.



45.0185, 26.3385, 53.6205



15.8830, 26.3385, 4.2467



27.1707, 26.3385, 113.9233

# Square

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



15.8830, 26.3385, 4.2467



13.3841, 26.3385, 70.8419



37.1593, 26.3385, 91.2728



42.0140, 26.3385, 7.8104



# Rectangle

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



15.8830, 26.3385, 4.2467



11.2182, 26.3385, 25.9138



37.1593, 26.3385, 91.2728



47.1278, 26.3385, 31.6324

# Sweetspot

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



15.8836, 26.3396, 4.2473



45.5342, 55.8484, 35.0005



16.5328, 12.1326, 1.4708



9.9394, 12.4383, 7.1733



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444



# Same Dimension

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



15.8836, 26.3396, 4.2473



28.6096, 47.7101, 7.7011



12.2936, 24.4889, 4.0793



6.8705, 7.5659, 7.0839



12.7659, 21.1178, 3.4033



0.2769, 0.4027, 0.0631



# Inverse Universe

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



8.9973, 3.9255, 32.6327



16.1106, 7.0106, 59.2475



19.2592, 9.2157, 33.1129



6.5653, 6.5799, 8.3307



7.2499, 3.1665, 26.1363



0.1781, 0.0816, 0.4696



# Previews

## White Background



This preview shows how the XYZ color 15.8830, 26.3385, 4.2467 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 15.8830, 26.3385, 4.2467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

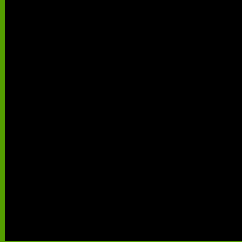
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 15.8830, 26.3385, 4.2467**

## **Background**



This preview shows how black text looks on a background with the XYZ color 15.8830, 26.3385, 4.2467.



This preview shows how white text looks on a background with the XYZ color 15.8830, 26.3385,



# 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

15.8830, 26.3385, 4.2467

### Protanopia

23.4786, 26.0253, 3.7859

### Deuteranopia

26.4165, 25.8369, 4.9612



## Tritanopia

22.4006, 26.3137, 36.6993

# Trichromacy



## Original Color

15.8830, 26.3385, 4.2467

## Protanomaly

19.7938, 25.6927, 3.9160

## Deuteranomaly

20.9788, 24.9399, 4.3700

## Tritanomaly

18.3453, 25.6142, 16.2891

# Monochromacy



## Original Color

15.8830, 26.3385, 4.2467

## Achromatopsia

17.2197, 18.1164, 19.7288

## Achromatomaly

15.6014, 20.3472, 9.7617

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 15.8830, 26.3385, 4.2467 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(84, 158, 0)` looks like.

```
.text, #text, p{  
    color:rgb(84, 158, 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(84, 158, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 158, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 15.8830, 26.3385, 4.2467 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(84, 158, 0) }
```



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

```
.border{ border-color:rgb(84, 158, 0) }
```

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

Here you see how a box with a 4 pixel rgb(84, 158, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 158, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 158, 0);  
box-shadow:4px 4px 4px 4px rgb(84, 158, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 15.8830, 26.3385, 4.2467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 158, 0) }
```

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

```
.background{ background-color: rgb(84, 158,  
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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