

# Converting Colors

XYZ(16.0318, 25.3847, 3.9702)

Have a look what the booklet for  
XYZ(16.0318, 25.3847, 3.9702)  
contains.

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# Color

**XYZ(16.0698, 25.4384,  
4.0631)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5D9A00
RGB	93, 154, 0
RGB Percent	36%, 60%, 0%
CMY	0.6353, 0.3961, 1.0000
CMYK	0.40, 0.00, 1.00, 0.40
HSL	84°, 100%, 30%
HSV	84°, 100%, 60%
XYZ	16.0698, 25.4384, 4.0631
YIQ	118.2050, 13.0780, -60.8260

# Conversions

## Conversions Part 2

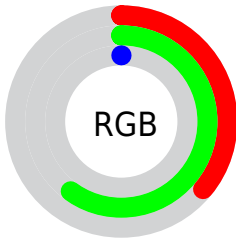
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 154, 61
Decimal	6134272
CIELab	57.50, -40.33, 59.89
CIELCh	58, 72.205, 123.958
Yxy	25.4384, 0.3526, 0.5582
Android (android.graphics.Color)	4284324352 (0xFF5D9A00)
YUV	118.2050, -58.2751, -22.1048
Hunter-Lab	50.4365, -31.3912, 30.5292

# Details

The XYZ color **16.0698, 25.4384, 4.0631** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.7586, 3.3261, 30.8065**, and the grayscale version is **17.4595, 18.3688, 20.0036**.

A 20% lighter version of the original color is **36.3322, 52.4454, 14.1693**, and **5.4789, 9.8778, 1.6178** is the 20% darker color. If you saturate the color by 10%, you get **16.0699, 25.4392, 4.0633**, and if you desaturate by 10%, it is **16.8019, 25.8063, 4.5631**.

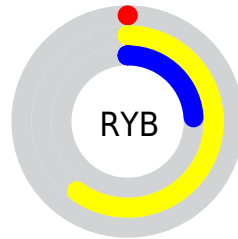
# Distribution



Red (36%)

Green (60%)

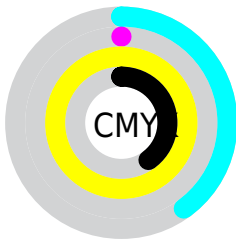
Blue (0%)



Red (0%)

Yellow (60%)

Blue (24%)

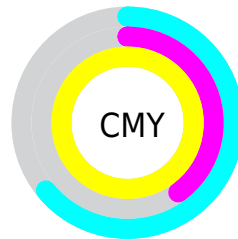


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (64%)

Magenta (40%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0698, 25.4384, 4.0631 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 16.0698, 25.4384, 4.0631 by changing the saturation by 10% instead.





 16.0698, 25.4384,  
4.0631


 16.0698, 25.4384,  
4.0631


223.0155,  
280.0142, 148.9242


 9.6647, 16.4040,  
1.6600


 36.2758, 52.3675,  
14.1550


 5.2378, 9.8105,  
0.3331


 50.8074, 71.0311,  
22.6810


 2.4236, 5.2735,  
0.0000

 68.7786, 93.6731,  
34.0849

 0.8569, 2.4086,  
0.0000

 90.5548, 120.6780,  
48.7855


 0.0000, 0.8303,  
0.0000


 116.5012,  
152.4301, 67.2011


 0.0000, 0.0000,  
0.0000


 146.9832,


189.3140, 89.7504


 182.3662,  
231.7139, 116.8519


 16.0698, 25.4384,  
4.0631


 16.0698, 25.4384,  
4.0631


 16.0699, 25.4392,  
4.0633

 16.8019, 25.8063,  
4.5631

 17.6504, 26.2258,  
5.4152

 18.6471, 26.7104,  
6.7796

 19.8055, 27.2658,  
8.7209

 21.1368, 27.8966,  
11.2942

■ 22.6515, 28.6069,  
14.5481

■ 24.3586, 29.4007,  
18.5266

■ 26.2669, 30.2815,  
23.2698

■ 28.3842, 31.2524,  
28.8151

# Harmonies

## Analogous

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



23.0552, 25.4384, 2.2265



16.0698, 25.4384, 4.0631



12.1591, 25.4384, 11.6780

# Triad

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



16.0698, 25.4384, 4.0631



17.6225, 25.4384, 95.7300



44.7048, 25.4384, 24.5570

# Complementary

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



16.0698, 25.4384, 4.0631



7.7586, 3.3261, 30.8065

# 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.



42.2809, 25.4384, 54.1176



16.0698, 25.4384, 4.0631



25.3376, 25.4384, 106.8661

# Square

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



16.0698, 25.4384, 4.0631



12.8951, 25.4384, 63.4548



34.6383, 25.4384, 88.4522



40.6462, 25.4384, 8.7758



# Rectangle

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



16.0698, 25.4384, 4.0631



11.1831, 25.4384, 23.0074



34.6383, 25.4384, 88.4522



44.6259, 25.4384, 32.9865

# Sweetspot

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



16.0704, 25.4395, 4.0637



44.0481, 53.3139, 33.1742



14.8933, 10.0026, 1.1461



9.6866, 11.9358, 6.8370



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694



# Same Dimension

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



16.0704, 25.4395, 4.0637



28.9676, 46.0951, 7.3705



11.8053, 23.2408, 3.8640



6.4719, 7.1007, 6.6353



13.1329, 20.7461, 3.3122



0.2371, 0.3312, 0.0514



# Inverse Universe

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



7.7586, 3.3261, 30.8065



13.8874, 5.9352, 55.9500



15.9926, 7.5709, 31.1918



6.1045, 6.1397, 7.7923



6.3585, 2.7290, 25.0993



0.1343, 0.0610, 0.3771



# Previews

## White Background



This preview shows how the XYZ color 16.0698, 25.4384, 4.0631 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

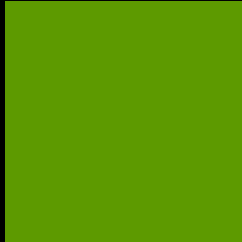
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 16.0698, 25.4384, 4.0631 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 16.0698, 25.4384, 4.0631**

## **Background**



This preview shows how black text looks on a background with the XYZ color 16.0698, 25.4384, 4.0631.



This preview shows how white text looks on a background with the XYZ color 16.0698, 25.4384,



# 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

16.0698, 25.4384, 4.0631

### Protanopia

22.6060, 25.1455, 3.6621

### Deuteranopia

25.4506, 24.9432, 4.7014



## Tritanopia

22.1693, 25.3265, 34.7304

# Trichromacy



## Original Color

16.0698, 25.4384, 4.0631

## Protanomaly

19.4890, 24.8521, 3.7697

## Deuteranomaly

20.8518, 24.4415, 4.2348

## Tritanomaly

18.3948, 24.7113, 15.6046

# Monochromacy



## Original Color

16.0698, 25.4384, 4.0631

## Achromatopsia

17.2197, 18.1164, 19.7288

## Achromatomaly

15.6930, 19.9918, 9.6883

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 16.0698, 25.4384, 4.0631 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(93, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(93, 154, 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(93, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 154, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 16.0698, 25.4384, 4.0631 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(93, 154, 0) }
```



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

```
.border{ border-color:rgb(93, 154, 0) }
```

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

Here you see how a box with a 4 pixel rgb(93, 154, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 154, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 154, 0);  
box-shadow:4px 4px 4px 4px rgb(93, 154, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 16.0698, 25.4384, 4.0631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 154, 0) }
```

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

```
.background{ background-color: rgb(93, 154,  
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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