

# Converting Colors

XYZ(16.2970, 7.4610, 58.9735)

Have a look what the booklet for  
XYZ(16.2970, 7.4610, 58.9735)  
contains.

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# Color

**XYZ(16.3032, 7.4634,  
58.9738)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6113CE
RGB	97, 19, 206
RGB Percent	38%, 7%, 81%
CMY	0.6196, 0.9255, 0.1922
CMYK	0.53, 0.91, 0.00, 0.19
HSL	265°, 83%, 44%
HSV	265°, 91%, 81%
XYZ	16.3032, 7.4634, 58.9738
YIQ	63.6400, -13.5390, 74.6930

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	97, 19, 206
Decimal	6362062
CIE Lab	32.84, 67.30, -78.82
CIE LCh	33, 103.642, 310.489
Yxy	7.4634, 0.1970, 0.0902
Android (android.graphics.Color)	4284552142 (0xFF6113CE)
YUV	63.6400, 70.1835, 29.2567
Hunter-Lab	27.3192, 58.7142, -108.8654

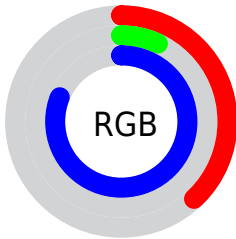
# Details

The XYZ color **16.3032, 7.4634, 58.9738** is a dark color, and the websafe version is hex **6600CC**.

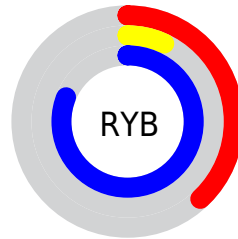
The color can be described as dark washed purple. A complement of this color would be **31.0899, 48.7784, 8.3925**, and the grayscale version is **4.7202, 4.9660, 5.4080**.

A 20% lighter version of the original color is **35.2167, 20.3282, 96.6754**, and **5.7362, 2.3212, 28.9999** is the 20% darker color. If you saturate the color by 10%, you get **14.9721, 6.4315, 58.8450**, and if you desaturate by 10%, it is **18.1940, 9.1988, 59.2093**.

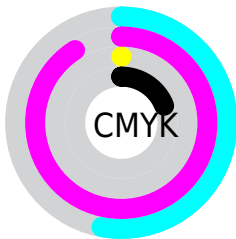
# Distribution



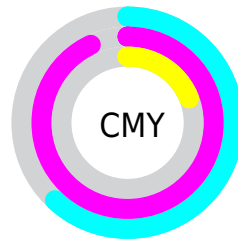
- Red (38%)
- Green (7%)
- Blue (81%)



- Red (38%)
- Yellow (7%)
- Blue (81%)



- Cyan (53%)
- Magenta (91%)
- Yellow (0%)
- Black (19%)




- Cyan (62%)
- Magenta (93%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3032, 7.4634, 58.9738 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 16.3032, 7.4634, 58.9738 by changing the saturation by 10% instead.




 16.3032, 7.4634,  
58.9738


 16.3032, 7.4634,  
58.9738


224.3596,  
171.4605, 438.5040


 9.8312, 3.7536,  
42.1722


 36.6770, 20.8996,  
104.8683

 5.3486, 1.5367,  
28.9095


 51.3095, 31.3947,  
134.7983

 2.4900, 0.3143,  
18.7674


 69.3928, 44.9203,  
169.9415

 0.8902, 0.0000,  
11.3272

 91.2923, 61.8609,  
210.7163

 0.0000, 0.0000,  
6.1705

 117.3734, 82.6008,  
257.5415


 0.0000, 0.0000,  
2.8785

 148.0014,


 0.0000, 0.0000,

107.5245, 310.8355


1.0330


 183.5417,  
137.0162, 371.0168


 0.0000, 0.0000,  
0.0000


 16.3032, 7.4634,  
58.9738


 16.3032, 7.4634,  
58.9738


 14.9721, 6.4315,  
58.8450

 18.1940, 9.1988,  
59.2093

 20.6546, 11.7750,  
59.5769

 23.7449, 15.2997,  
60.0943

 27.5157, 19.8637,  
60.7765

 32.0121, 25.5467,  
61.6365

■ 37.2748, 32.4206,  
62.6859

■ 43.3413, 40.5510,  
63.9355

■ 50.2466, 49.9985,  
65.3951

■ 58.0232, 60.8198,  
67.0740

# Harmonies

## Analogous

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



9.1772, 7.4634, 87.7446



16.3032, 7.4634, 58.9738



22.2613, 7.4634, 22.8319

# Triad

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



16.3032, 7.4634, 58.9738



11.1999, 7.4634, 0.0000



0.9740, 7.4634, 14.9046

# Complementary

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



16.3032, 7.4634, 58.9738



31.0899, 48.7784, 8.3925

# 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.



1.0920, 7.4634, 1.6599



16.3032, 7.4634, 58.9738



5.3522, 7.4634, 0.0000

# Square

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



16.3032, 7.4634, 58.9738



18.4179, 7.4634, 0.0000



2.2337, 7.4634, 0.0000



1.7366, 7.4634, 47.3282



# Rectangle

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



16.3032, 7.4634, 58.9738



23.5750, 7.4634, 7.8728



2.2337, 7.4634, 0.0000



0.9283, 7.4634, 8.3854

# Sweetspot

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



16.3037, 7.4636, 58.9740



63.6268, 56.8285, 102.2232



19.1391, 20.0545, 61.2549



12.9238, 11.2396, 21.7382



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



16.3037, 7.4636, 58.9740



24.0382, 10.3070, 95.3302



32.7129, 15.9228, 59.7420



11.0378, 11.0688, 14.1251



9.3243, 4.0144, 36.2397



0.5668, 0.2513, 1.8736



# Inverse Universe

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



29.5823, 15.1458, 21.7839



46.6352, 23.4181, 30.3405



22.8679, 44.5398, 8.0078



11.4819, 11.3215, 13.0724



17.8130, 8.9358, 11.9996

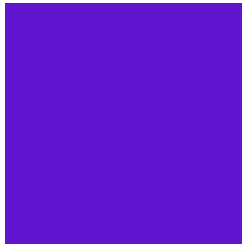


0.9563, 0.4759, 0.8155



# Previews

## White Background



This preview shows how the XYZ color 16.3032, 7.4634, 58.9738 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

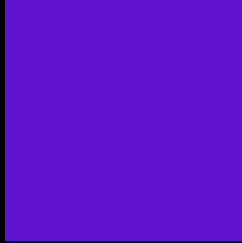
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the XYZ color 16.3032, 7.4634, 58.9738 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

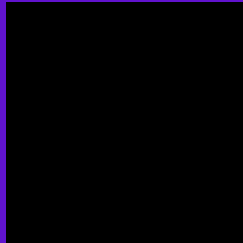
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 16.3032, 7.4634, 58.9738**

## **Background**



This preview shows how black text looks on a background with the XYZ color 16.3032, 7.4634, 58.9738.



This preview shows how white text looks on a background with the XYZ color 16.3032, 7.4634,



# 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

16.3032, 7.4634, 58.9738

### Protanopia

8.6876, 7.5008, 33.3377

### Deuteranopia

7.2418, 7.4866, 23.9850



## Tritanopia

6.5674, 7.5501, 10.3437

# Trichromacy



## Original Color

16.3032, 7.4634, 58.9738



## Protanomaly

9.7972, 6.1848, 41.2349



## Deuteranomaly

8.6392, 5.9566, 34.4126



## Tritanomaly

8.3574, 6.0813, 22.2060

# Monochromacy



## Original Color

16.3032, 7.4634, 58.9738



## Achromatopsia

4.8732, 5.1269, 5.5832



## Achromatomaly

7.1898, 4.9114, 17.0920

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 16.3032, 7.4634, 58.9738 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(97, 19, 206)` looks like.

```
.text, #text, p{  
    color:rgb(97, 19, 206)  
}
```

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(97, 19, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 19, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 16.3032, 7.4634, 58.9738 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(97, 19, 206) }
```



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

```
.border{ border-color:rgb(97, 19, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 19, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 19, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 19, 206);  
box-shadow:4px 4px 4px 4px rgb(97, 19,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 16.3032, 7.4634, 58.9738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 19, 206) }
```

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

```
.background{ background-color: rgb(97, 19,  
206) }
```

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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