

# Converting Colors

XYZ(16.0412, 7.3044, 62.6208)

Have a look what the booklet for  
XYZ(16.0412, 7.3044, 62.6208)  
contains.

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# Color

**XYZ(16.0823, 7.3160,  
62.8519)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5715D4
RGB	87, 21, 212
RGB Percent	34%, 8%, 83%
CMY	0.6588, 0.9177, 0.1686
CMYK	0.59, 0.90, 0.00, 0.17
HSL	261°, 82%, 46%
HSV	261°, 90%, 83%
XYZ	16.0823, 7.3160, 62.8519
YIQ	62.5080, -21.9750, 73.3930

# Conversions

## Conversions Part 2

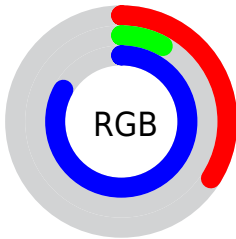
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	87, 21, 212
Decimal	5707220
CIE Lab	32.52, 67.43, -82.88
CIE LCh	33, 106.844, 309.132
Yxy	7.3160, 0.1865, 0.0848
Android (android.graphics.Color)	4283897300 (0xFF5715D4)
YUV	62.5080, 73.6996, 21.4795
Hunter-Lab	27.0481, 58.7986, -118.8390

# Details

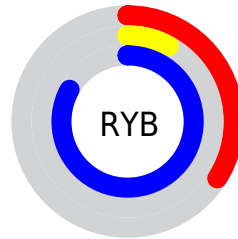
The XYZ color **16.0823, 7.3160, 62.8519** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **35.5307, 53.2511, 9.1150**, and the grayscale version is **4.5510, 4.7880, 5.2142**.

A 20% lighter version of the original color is **33.6812, 19.5366, 96.6035**, and **6.0008, 2.4003, 31.5995** is the 20% darker color. If you saturate the color by 10%, you get **14.6518, 6.1805, 62.7084**, and if you desaturate by 10%, it is **18.0719, 9.1829, 63.1076**.

# Distribution



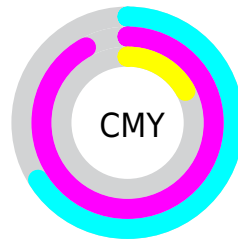
- Red (34%)
- Green (8%)
- Blue (83%)



- Red (34%)
- Yellow (8%)
- Blue (83%)



- Cyan (59%)
- Magenta (90%)
- Yellow (0%)
- Black (17%)



- Cyan (66%)
- Magenta (92%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0823, 7.3160, 62.8519 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 16.0823, 7.3160, 62.8519 by changing the saturation by 10% instead.




 16.0823, 7.3160,  
62.8519


 16.0823, 7.3160,  
62.8519


223.0877,  
170.2642, 453.1249


 9.6736, 3.6605,  
45.2812

 36.2973, 20.6062,  
110.5393

 5.2437, 1.4855,  
31.3344


 50.8344, 31.0096,  
141.4931

 2.4272, 0.2785,  
20.5930


 68.8116, 44.4311,  
177.7450

 0.8587, 0.0000,  
12.6385

 90.5943, 61.2552,  
219.7136

 0.0000, 0.0000,  
7.0523

 116.5480, 81.8661,  
267.8173


 0.0000, 0.0000,  
3.4159


 147.0378,


 0.0000, 0.0000,


106.6483, 322.4747

1.3107


 182.4293,  
135.9862, 384.1044


 0.0000, 0.0000,  
0.0705


 0.0000, 0.0000,  
0.0000


 16.0823, 7.3160,  
62.8519


 16.0823, 7.3160,  
62.8519

 14.6518, 6.1805,  
62.7084

 18.0719, 9.1829,  
63.1076

 20.7209, 11.9803,  
63.5080

 24.0969, 15.8246,  
64.0720

 28.2577, 20.8141,  
64.8158

■ 33.2548, 27.0357,  
65.7533

■ 39.1347, 34.5676,  
66.8972

■ 45.9407, 43.4812,  
68.2590

■ 53.7126, 53.8428,  
69.8494

■ 62.4882, 65.7145,  
71.6783

# Harmonies

## Analogous

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



8.7861, 7.3160, 92.0884



16.0823, 7.3160, 62.8519



22.4241, 7.3160, 24.5371

# Triad

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



16.0823, 7.3160, 62.8519



11.4832, 7.3160, 0.0000



0.8462, 7.3160, 13.8588

# Complementary

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



16.0823, 7.3160, 62.8519



35.5307, 53.2511, 9.1150

# 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.



0.9924, 7.3160, 1.2895



16.0823, 7.3160, 62.8519



5.3955, 7.3160, 0.0000

# Square

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



16.0823, 7.3160, 62.8519



18.9308, 7.3160, 0.0000



2.1629, 7.3160, 0.0000



1.5298, 7.3160, 46.9325



# Rectangle

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



16.0823, 7.3160, 62.8519



23.9822, 7.3160, 8.4373



2.1629, 7.3160, 0.0000



0.8134, 7.3160, 7.5123

# Sweetspot

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



16.0828, 7.3161, 62.8521



62.2032, 56.0946, 102.1566



22.8348, 26.1968, 66.1406



12.5919, 11.0685, 21.7227



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.



16.0828, 7.3161, 62.8521



22.0867, 9.3010, 95.2389



31.0128, 15.0128, 63.5508



12.1433, 12.2153, 15.6553



9.1428, 3.8658, 38.7174



0.6392, 0.2784, 2.3394



# Inverse Universe

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



32.6069, 16.6081, 28.6761



48.2031, 24.0452, 38.5972



25.1381, 47.8935, 8.6286



12.7622, 12.5564, 14.6881



19.6756, 9.8066, 16.1277

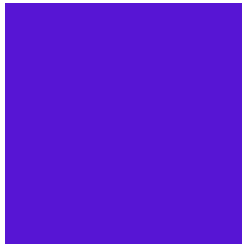


1.2250, 0.6068, 1.1744



# Previews

## White Background



This preview shows how the XYZ color 16.0823, 7.3160, 62.8519 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

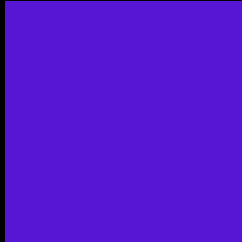
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass



# Black Background



This preview shows how the XYZ color 16.0823, 7.3160, 62.8519 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

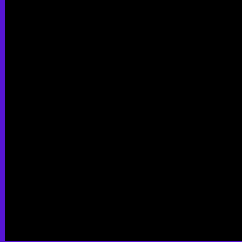
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 16.0823, 7.3160, 62.8519**

## **Background**



This preview shows how black text looks on a background with the XYZ color 16.0823, 7.3160, 62.8519.



This preview shows how white text looks on a background with the XYZ color 16.0823, 7.3160,

62.8519.

# 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

16.0823, 7.3160, 62.8519

### Protanopia

8.4495, 7.2979, 32.4158

### Deuteranopia

7.0296, 7.2854, 23.2260



## Tritanopia

5.7183, 7.4361, 11.0314

# Trichromacy



## Original Color

16.0823, 7.3160, 62.8519

## Protanomaly

9.7983, 6.1740, 41.7496

## Deuteranomaly

8.6303, 5.9418, 34.8744

## Tritanomaly

7.5101, 5.8436, 23.6538

# Monochromacy



## Original Color

16.0823, 7.3160, 62.8519

## Achromatopsia

4.7246, 4.9707, 5.4130

## Achromatomaly

6.9403, 4.7760, 17.3857

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 16.0823, 7.3160, 62.8519 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(87, 21, 212)` looks like.

```
.text, #text, p{  
    color:rgb(87, 21, 212)  
}
```

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(87, 21, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 21, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 16.0823, 7.3160, 62.8519 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(87, 21, 212) }
```



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

```
.border{ border-color:rgb(87, 21, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 21, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 21, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 21, 212);  
box-shadow:4px 4px 4px 4px rgb(87, 21,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 16.0823, 7.3160, 62.8519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 21, 212) }
```

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

```
.background{ background-color: rgb(87, 21,  
212) }
```

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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