

Converting Colors

XYZ(15.7787, 6.8615, 58.2382)

Have a look what the booklet for
XYZ(15.7787, 6.8615, 58.2382)
contains.

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Color

**XYZ(15.7388, 6.8407,
58.2485)**

Conversions

Conversions Part 1

Format	Color
Hex	5F00CD
RGB	95, 0, 205
RGB Percent	37%, 0%, 80%
CMY	0.6274, 1.0000, 0.1961
CMYK	0.54, 1.00, 0.00, 0.20
HSL	268°, 100%, 40%
HSV	268°, 100%, 80%
XYZ	15.7388, 6.8407, 58.2485
YIQ	51.7750, -9.1850, 83.8950

Conversions

Conversions Part 2

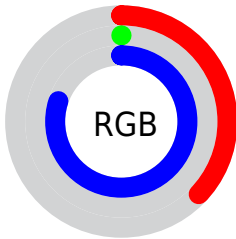
Format	Color
R _Y B	95, 0, 205
Decimal	6226125
CIE Lab	31.44, 70.08, -80.56
CIE LCh	31, 106.776, 311.019
Yxy	6.8407, 0.1947, 0.0846
Android (android.graphics.Color)	4284416205 (0xFF5F00CD)
YUV	51.7750, 75.5399, 37.9083
Hunter-Lab	26.1547, 61.6429, -113.7349

Details

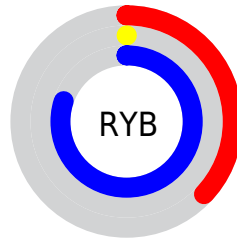
The XYZ color **15.7388, 6.8407, 58.2485** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **28.2612, 46.9775, 7.5780**, and the grayscale version is **3.1526, 3.3168, 3.6120**.

A 20% lighter version of the original color is **34.3372, 19.1532, 96.4949**, and **5.5250, 2.2216, 28.5714** is the 20% darker color. If you saturate the color by 10%, you get **15.7394, 6.8410, 58.2487**, and if you desaturate by 10%, it is **17.2230, 7.9904, 58.3924**.

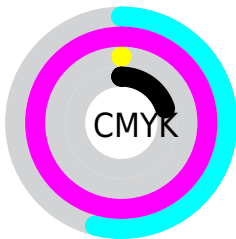
Distribution



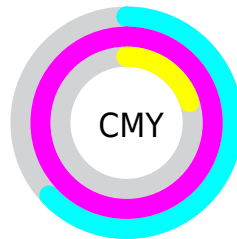
- Red (37%)
- Green (0%)
- Blue (80%)



- Red (37%)
- Yellow (0%)
- Blue (80%)



- Cyan (54%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (63%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7388, 6.8407, 58.2485 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 15.7388, 6.8407, 58.2485 by changing the saturation by 10% instead.

■ 15.7388, 6.8407,
58.2485

■ 15.7388, 6.8407,
58.2485

221.0963,
166.3334, 435.7354

■ 9.4292, 3.3627,
41.5924

■ 35.7053, 19.6520,
103.8030

■ 5.0815, 1.3239,
28.4591

■ 50.0928, 29.7541,
133.5385

■ 2.3304, 0.1596,
18.4300

■ 67.9038, 42.8330,
168.4709

■ 0.8102, 0.0000,
11.0865

■ 89.5034, 59.2731,
209.0188

■ 0.0000, 0.0000,
6.0101

■ 115.2571, 79.4588,
255.6006


■ 0.0000, 0.0000,
2.7824

■ 145.5303,

■ 0.0000, 0.0000,

103.7745, 308.6349

0.9846

 180.6882,
132.6045, 368.5403

 0.0000, 0.0000,
0.0000


 15.7388, 6.8407,
58.2485


 15.7388, 6.8407,
58.2485


 15.7394, 6.8410,
58.2487

 17.2230, 7.9904,
58.3924

 19.1492, 9.7759,
58.6355

 21.6177, 12.3884,
59.0097

 24.6848, 15.9317,
59.5319

 28.3984, 20.4935,
60.2167

■ 32.8009, 26.1511,
61.0767

■ 37.9309, 32.9741,
62.1233

■ 43.8238, 41.0263,
63.3670

■ 50.5125, 50.3665,
64.8173

Harmonies

Analogous

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



8.6493, 6.8407, 88.4350



15.7388, 6.8407, 58.2485



21.6714, 6.8407, 21.5343

Triad

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



15.7388, 6.8407, 58.2485



10.4091, 6.8407, 0.0000



0.7498, 6.8407, 14.5302

Complementary

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



15.7388, 6.8407, 58.2485



28.2612, 46.9775, 7.5780

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.



0.8435, 6.8407, 1.4190



15.7388, 6.8407, 58.2485



4.7430, 6.8407, 0.0000

Square

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



15.7388, 6.8407, 58.2485



17.6114, 6.8407, 0.0000



1.8465, 6.8407, 0.0000



1.4472, 6.8407, 47.6775

Rectangle

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



15.7388, 6.8407, 58.2485



22.9270, 6.8407, 6.9417



1.8465, 6.8407, 0.0000



0.7022, 6.8407, 7.9791

Sweetspot

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



15.7394, 6.8410, 58.2487



61.7880, 53.5492, 101.6872



16.8968, 16.1624, 59.9869



12.4295, 10.3958, 21.6014



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.



15.7394, 6.8410, 58.2487



25.5453, 11.0840, 95.4008



33.4607, 15.9767, 59.0781



11.0876, 11.0945, 14.1274



9.9057, 4.3141, 36.2669



0.5983, 0.2675, 1.8750

Inverse Universe

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



27.9911, 14.1049, 15.9976



45.7426, 23.0611, 25.6406



21.9597, 43.7290, 7.2831



11.4598, 11.3126, 12.9557



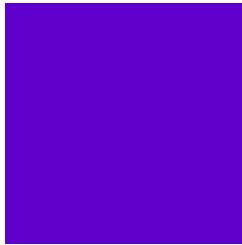
17.4740, 8.8002, 10.2144



0.9396, 0.4692, 0.7276

Previews

White Background



This preview shows how the XYZ color 15.7388, 6.8407, 58.2485 looks on a white background.

Color Contrast Check

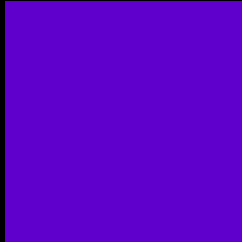
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7388, 6.8407, 58.2485 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 15.7388, 6.8407, 58.2485

Background



This preview shows how black text looks on a background with the XYZ color 15.7388, 6.8407, 58.2485.



This preview shows how white text looks on a background with the XYZ color 15.7388, 6.8407,

58.2485.

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

15.7388, 6.8407, 58.2485

Protanopia

8.2815, 7.2307, 31.5310

Deuteranopia

6.8892, 7.1147, 22.8400



Tritanopia

6.1793, 7.2500, 9.8778

Trichromacy



Original Color

15.7388, 6.8407, 58.2485

Protanomaly

9.2525, 5.4075, 40.0913

Deuteranomaly

8.0917, 5.1417, 33.3669

Tritanomaly

7.6721, 5.2547, 21.3788

Monochromacy



Original Color

15.7388, 6.8407, 58.2485

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.6345, 3.3994, 14.5465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7388, 6.8407, 58.2485 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(95, 0, 205)` looks like.

```
.text, #text, p{  
    color:rgb(95, 0, 205)  
}
```

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(95, 0, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 0, 205) }
```

Border

The CSS property to change the border of an element to XYZ 15.7388, 6.8407, 58.2485 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(95, 0, 205) }
```


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

```
.border{ border-color:rgb(95, 0, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 0, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 0, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 0, 205);  
box-shadow:4px 4px 4px 4px rgb(95, 0, 205)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.7388, 6.8407, 58.2485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 0, 205) }
```

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

```
.background{ background-color: rgb(95, 0,  
205) }
```

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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