

Converting Colors

XYZ(16.3667, 7.6652, 65.5836)

Have a look what the booklet for
XYZ(16.3667, 7.6652, 65.5836)
contains.

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Color

**XYZ(16.4013, 7.6756,
65.5828)**

Conversions

Conversions Part 1

Format	Color
Hex	531DD8
RGB	83, 29, 216
RGB Percent	33%, 11%, 85%
CMY	0.6745, 0.8863, 0.1529
CMYK	0.62, 0.87, 0.00, 0.15
HSL	257°, 76%, 48%
HSV	257°, 87%, 85%
XYZ	16.4013, 7.6756, 65.5828
YIQ	66.4640, -27.8430, 69.6050

Conversions

Conversions Part 2

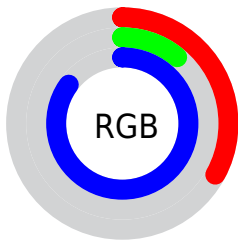
Format	Color
R_{YB}	83, 29, 216
Decimal	5447128
CIE _{Lab}	33.30, 65.88, -83.91
CIE _{LCh}	33, 106.677, 308.135
Yxy	7.6756, 0.1829, 0.0856
Android (android.graphics.Color)	4283637208 (0xFF531DD8)
YUV	66.4640, 73.7212, 14.5021
Hunter-Lab	27.7049, 57.1886, -120.9575

Details

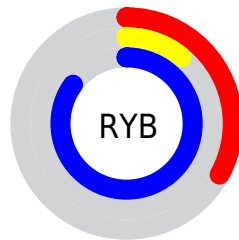
The XYZ color **16.4013, 7.6756, 65.5828** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **39.6757, 56.8808, 10.0501**, and the grayscale version is **5.1426, 5.4105, 5.8920**.

A 20% lighter version of the original color is **33.5112, 20.0129, 96.7044**, and **6.3452, 2.5381, 33.4132** is the 20% darker color. If you saturate the color by 10%, you get **14.8342, 6.3347, 65.4068**, and if you desaturate by 10%, it is **18.6378, 9.9076, 65.8960**.

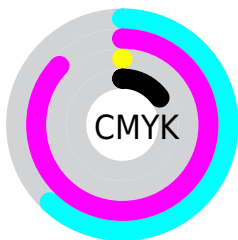
Distribution



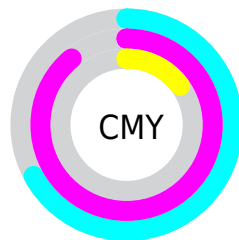
- Red (33%)
- Green (11%)
- Blue (85%)



- Red (33%)
- Yellow (11%)
- Blue (85%)



- Cyan (62%)
- Magenta (87%)
- Yellow (0%)
- Black (15%)



- Cyan (67%)
- Magenta (89%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4013, 7.6756, 65.5828 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 16.4013, 7.6756, 65.5828 by changing the saturation by 10% instead.

■ 16.4013, 7.6756,
65.5828

■ 16.4013, 7.6756,
65.5828

224.9223,
173.1650, 463.2468

■ 9.9012, 3.8881,
47.4795

■ 36.8453, 21.3200,
114.5086

■ 5.3953, 1.6112,
33.0578

■ 51.5200, 31.9457,
146.1682

■ 2.5181, 0.3651,
21.8992

■ 69.6502, 45.6195,
183.1836

■ 0.9044, 0.0000,
13.5853

■ 91.6014, 62.7259,
225.9733

■ 0.0000, 0.0000,
7.6973

■ 117.7388, 83.6492,
274.9560

■ 0.0000, 0.0000,
3.8169

■ 148.4279,

■ 0.0000, 0.0000,

108.7739, 330.5501

1.5255

184.0339,
138.4844, 393.1742

0.0000, 0.0000,
0.2368

0.0000, 0.0000,
0.0000

16.4013, 7.6756,
65.5828

16.4013, 7.6756,
65.5828

14.8342, 6.3347,
65.4068

18.6378, 9.9076,
65.8960

14.4056, 5.9945,
65.3638

21.6291, 13.1773,
66.3694

25.4464, 17.6013,
67.0222

30.1515, 23.2800,
67.8703

■ 35.7999, 30.3025,
68.9281

■ 42.4421, 38.7497,
70.2085

■ 50.1252, 48.6960,
71.7233

■ 58.8928, 60.2106,
73.4838

■ 68.7863, 73.3581,
75.5001

Harmonies

Analogous

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



8.9633, 7.6756, 94.2409



16.4013, 7.6756, 65.5828



22.9816, 7.6756, 26.4077

Triad

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



16.4013, 7.6756, 65.5828



12.2001, 7.6756, 0.0000



0.9286, 7.6756, 13.6481

Complementary

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



16.4013, 7.6756, 65.5828



39.6757, 56.8808, 10.0501

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.



1.1114, 7.6756, 1.2625



16.4013, 7.6756, 65.5828



5.8484, 7.6756, 0.0000

Square

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



16.4013, 7.6756, 65.5828



19.7996, 7.6756, 0.0000



2.3965, 7.6756, 0.0000



1.6165, 7.6756, 46.7404

Rectangle

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



16.4013, 7.6756, 65.5828



24.7091, 7.6756, 9.4238



2.3965, 7.6756, 0.0000



0.9023, 7.6756, 7.3747

Sweetspot

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



16.4019, 7.6757, 65.5830



62.1531, 56.8743, 102.3098



26.0013, 31.4190, 69.6600



12.5395, 11.1954, 21.7500



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.



16.4019, 7.6757, 65.5830



20.8472, 8.6620, 95.1809



30.6217, 15.0063, 66.2485



12.0762, 12.1807, 15.6521



8.6197, 3.5961, 38.6930



0.6015, 0.2590, 2.3376

Inverse Universe

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



35.2789, 18.0857, 35.8088



49.6165, 24.6106, 46.0399



27.2685, 50.4846, 9.4694



12.7930, 12.5687, 14.8502



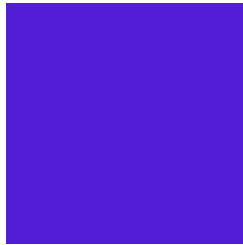
20.2442, 10.0340, 19.1216



1.2561, 0.6192, 1.3379

Previews

White Background



This preview shows how the XYZ color 16.4013, 7.6756, 65.5828 looks on a white background.

Color Contrast Check

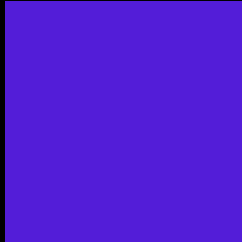
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4013, 7.6756, 65.5828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

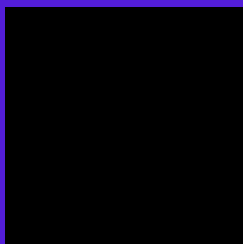
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4013, 7.6756, 65.5828

Background



This preview shows how black text looks on a background with the XYZ color 16.4013, 7.6756, 65.5828.



This preview shows how white text looks on a background with the XYZ color 16.4013, 7.6756,

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

16.4013, 7.6756, 65.5828

Protanopia

8.8424, 7.6721, 33.8157

Deuteranopia

7.3864, 7.6624, 24.3822



Tritanopia

5.4286, 7.6245, 11.7752

Trichromacy



Original Color

16.4013, 7.6756, 65.5828



Protanomaly

10.3376, 6.6992, 43.9282



Deuteranomaly

9.0496, 6.4379, 36.3630



Tritanomaly

7.0711, 6.0074, 24.8316

Monochromacy



Original Color

16.4013, 7.6756, 65.5828



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

7.3968, 5.3044, 18.7232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4013, 7.6756, 65.5828 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(83, 29, 216)` looks like.

```
.text, #text, p{  
    color:rgb(83, 29, 216)  
}
```

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(83, 29, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 29, 216) }
```

Border

The CSS property to change the border of an element to XYZ 16.4013, 7.6756, 65.5828 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(83, 29, 216) }
```


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

```
.border{ border-color:rgb(83, 29, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 29, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 29, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 29, 216);  
box-shadow:4px 4px 4px 4px rgb(83, 29,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4013, 7.6756, 65.5828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 29, 216) }
```

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

```
.background{ background-color: rgb(83, 29,  
216) }
```

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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