

Converting Colors

XYZ(16.6765, 7.5675, 57.0827)

Have a look what the booklet for
XYZ(16.6765, 7.5675, 57.0827)
contains.

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Color

**XYZ(16.6323, 7.5427,
57.0792)**

Conversions

Conversions Part 1

Format	Color
Hex	680DCB
RGB	104, 13, 203
RGB Percent	41%, 5%, 80%
CMY	0.5921, 0.9490, 0.2039
CMYK	0.49, 0.94, 0.00, 0.20
HSL	269°, 88%, 42%
HSV	269°, 94%, 80%
XYZ	16.6323, 7.5427, 57.0792
YIQ	61.8690, -6.7540, 78.3820

Conversions

Conversions Part 2

Format	Color
RYB	104, 13, 203
Decimal	6819275
CIELab	33.01, 68.41, -76.76
CIELCh	33, 102.820, 311.708
Yxy	7.5427, 0.2047, 0.0928
Android (android.graphics.Color)	4285009355 (0xFF680DCB)
YUV	61.8690, 69.5776, 36.9489
Hunter-Lab	27.4640, 60.0384, -103.9994

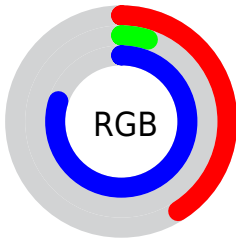
Details

The XYZ color **16.6323, 7.5427, 57.0792** is a dark color, and the websafe version is hex **6600CC**.

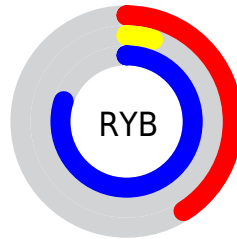
The color can be described as dark washed purple. A complement of this color would be **28.1098, 46.1854, 7.8138**, and the grayscale version is **4.4638, 4.6963, 5.1143**.

A 20% lighter version of the original color is **36.2914, 20.6681, 96.6843**, and **5.9261, 2.4467, 27.7637** is the 20% darker color. If you saturate the color by 10%, you get **15.7341, 6.8660, 56.9961**, and if you desaturate by 10%, it is **18.3469, 9.0325, 57.2766**.

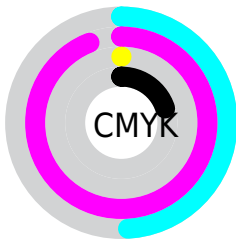
Distribution



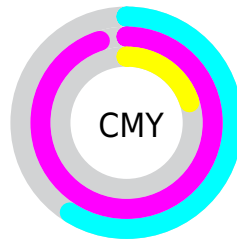
- Red (41%)
- Green (5%)
- Blue (80%)



- Red (41%)
- Yellow (5%)
- Blue (80%)



- Cyan (49%)
- Magenta (94%)
- Yellow (0%)
- Black (20%)





- Cyan (59%)
- Magenta (95%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.6323, 7.5427, 57.0792 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 16.6323, 7.5427, 57.0792 by changing the saturation by 10% instead.


 16.6323, 7.5427,
57.0792


 16.6323, 7.5427,
57.0792


226.2422,
172.0999, 431.2481


 10.0664, 3.8038,
40.6590


 37.2411, 21.0569,
102.0822


 5.5056, 1.5644,
27.7351


 52.0147, 31.6010,
131.5022

 2.5846, 0.3334,
17.8888


 70.2549, 45.1823,
166.0925

 0.9381, 0.0000,
10.7015

 92.3271, 62.1851,
206.2717

 0.0000, 0.0000,
5.7549

 118.5965, 82.9939,
252.4583


 0.0000, 0.0000,
2.6302


 149.4286,

 0.0000, 0.0000,

107.9930, 305.0708


0.9080

 185.1887,
137.5669, 364.5279


 0.0000, 0.0000,
0.0000


 16.6323, 7.5427,
57.0792


 16.6323, 7.5427,
57.0792


 15.7341, 6.8660,
56.9961

 18.3469, 9.0325,
57.2766

 20.5605, 11.2846,
57.5946

 23.3317, 14.4076,
58.0514

 26.7092, 18.4918,
58.6617

 30.7358, 23.6156,
59.4385

■ 35.4499, 29.8493,
60.3932

■ 40.8866, 37.2566,
61.5364

■ 47.0786, 45.8965,
62.8778

■ 54.0561, 55.8239,
64.4262

Harmonies

Analogous

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



9.5099, 7.5427, 86.4335



16.6323, 7.5427, 57.0792



22.4082, 7.5427, 21.6729

Triad

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



16.6323, 7.5427, 57.0792



10.9820, 7.5427, 0.0000



1.0281, 7.5427, 15.9216

Complementary

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



16.6323, 7.5427, 57.0792



28.1098, 46.1854, 7.8138

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.



1.1157, 7.5427, 1.9394



16.6323, 7.5427, 57.0792



5.2479, 7.5427, 0.0000

Square

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



16.6323, 7.5427, 57.0792



18.1672, 7.5427, 0.0000



2.2164, 7.5427, 0.0000



1.8500, 7.5427, 48.6630

Rectangle

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



16.6323, 7.5427, 57.0792



23.5478, 7.5427, 7.3513



2.2164, 7.5427, 0.0000



0.9708, 7.5427, 9.1389

Sweetspot

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



16.6328, 7.5429, 57.0794



63.9609, 56.2095, 102.0862



17.0003, 16.5070, 58.7903



12.8610, 10.9074, 21.6774



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.



16.6328, 7.5429, 57.0794



26.0958, 11.3677, 95.4265



33.8622, 16.4250, 57.8857



11.1044, 11.1031, 14.1282



10.1170, 4.4231, 36.2768



0.6094, 0.2733, 1.8756

Inverse Universe

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



27.6968, 14.1540, 16.5994



45.4640, 22.9496, 24.1734



21.7037, 42.8829, 7.5140



11.4523, 11.3097, 12.9166



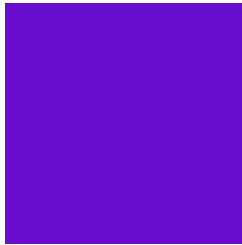
17.3678, 8.7577, 9.6553



0.9342, 0.4671, 0.6994

Previews

White Background



This preview shows how the XYZ color 16.6323, 7.5427, 57.0792 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

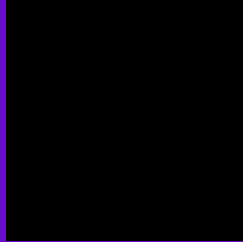
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6323, 7.5427, 57.0792

Background



This preview shows how black text looks on a background with the XYZ color 16.6323, 7.5427, 57.0792.



This preview shows how white text looks on a background with the XYZ color 16.6323, 7.5427,

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

16.6323, 7.5427, 57.0792

Protanopia

8.9296, 7.7069, 34.2747

Deuteranopia

7.4578, 7.6910, 24.7584



Tritanopia

7.2209, 7.7869, 9.9265

Trichromacy



Original Color

16.6323, 7.5427, 57.0792

Protanomaly

9.9089, 6.0929, 41.7281

Deuteranomaly

8.6465, 5.8136, 34.3846

Tritanomaly

9.0328, 6.2981, 21.5085

Monochromacy



Original Color

16.6323, 7.5427, 57.0792

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.9419, 4.5714, 16.1393

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6323, 7.5427, 57.0792 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(104, 13, 203)` looks like.

```
.text, #text, p{  
    color:rgb(104, 13, 203)  
}
```

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(104, 13, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 13, 203) }
```

Border

The CSS property to change the border of an element to XYZ 16.6323, 7.5427, 57.0792 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(104, 13, 203) }
```


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

```
.border{ border-color:rgb(104, 13, 203) }
```

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

Here you see how a box with a 4 pixel rgb(104, 13, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 13, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 13, 203);  
box-shadow:4px 4px 4px 4px rgb(104, 13,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6323, 7.5427, 57.0792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 13, 203) }
```

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

```
.background{ background-color: rgb(104, 13,  
203) }
```

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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