

Converting Colors

XYZ(16.6390, 7.3187, 57.6624)

Have a look what the booklet for
XYZ(16.6390, 7.3187, 57.6624)
contains.

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Color

**XYZ(16.6080, 7.3027,
57.6610)**

Conversions

Conversions Part 1

Format	Color
Hex	6800CC
RGB	104, 0, 204
RGB Percent	41%, 0%, 80%
CMY	0.5921, 1.0000, 0.2000
CMYK	0.49, 1.00, 0.00, 0.20
HSL	271°, 100%, 40%
HSV	271°, 100%, 80%
XYZ	16.6080, 7.3027, 57.6610
YIQ	54.3520, -3.5000, 85.4920

Conversions

Conversions Part 2

Format	Color
RYB	104, 0, 204
Decimal	6815948
CIELab	32.49, 70.54, -78.21
CIElCh	32, 105.322, 312.047
Yxy	7.3027, 0.2036, 0.0895
Android (android.graphics.Color)	4285006028 (0xFF6800CC)
YUV	54.3520, 73.7765, 43.5413
Hunter-Lab	27.0235, 62.4107, -107.5927

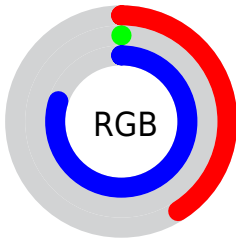
Details

The XYZ color **16.6080, 7.3027, 57.6610** is a dark color, and the websafe version is hex **6600CC**.

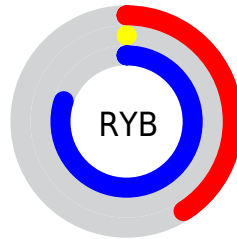
The color can be described as dark washed purple. A complement of this color would be **26.8480, 45.8950, 7.4436**, and the grayscale version is **3.4621, 3.6424, 3.9666**.

A 20% lighter version of the original color is **36.0158, 20.1169, 96.5924**, and **5.9725, 2.4615, 28.1773** is the 20% darker color. If you saturate the color by 10%, you get **16.6086, 7.3030, 57.6612**, and if you desaturate by 10%, it is **18.0964, 8.4519, 57.8046**.

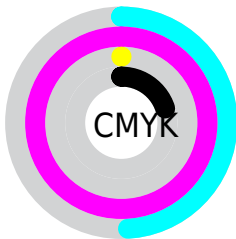
Distribution



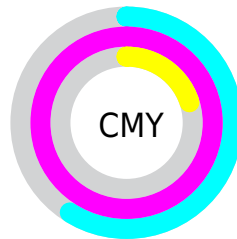
- Red (41%)
- Green (0%)
- Blue (80%)



- Red (41%)
- Yellow (0%)
- Blue (80%)



- Cyan (49%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (59%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6080, 7.3027, 57.6610 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 16.6080, 7.3027, 57.6610 by changing the saturation by 10% instead.

■ 16.6080, 7.3027,
57.6610

■ 16.6080, 7.3027,
57.6610

226.1037,
170.1557, 433.4845

■ 10.0490, 3.6521,
41.1233

■ 37.1995, 20.5796,
102.9389

■ 5.4940, 1.4809,
28.0950

■ 51.9628, 30.9747,
132.5162

■ 2.5776, 0.2752,
18.1576

■ 70.1914, 44.3868,
167.2771

■ 0.9346, 0.0000,
10.8926

■ 92.2509, 61.2003,
207.6401

■ 0.0000, 0.0000,
5.8814

■ 118.5065, 81.7995,
254.0238

■ 0.0000, 0.0000,
2.7055

■ 149.3236,


■ 0.0000, 0.0000,

106.5689, 306.8468


0.9462

 185.0675,
135.8929, 366.5275


 0.0000, 0.0000,
0.0000


 16.6080, 7.3027,
57.6610


 16.6080, 7.3027,
57.6610

 16.6086, 7.3030,
57.6612

 18.0964, 8.4519,
57.8046

 19.9979, 10.2171,
58.0451

 22.4106, 12.7871,
58.4140

 25.3884, 16.2637,
58.9281

 28.9774, 20.7327,
59.6015

■ 33.2182, 26.2699,
60.4468

■ 38.1475, 32.9435,
61.4751

■ 43.7994, 40.8157,
62.6967

■ 50.2051, 49.9443,
64.1211

Harmonies

Analogous

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



9.3696, 7.3027, 88.4312



16.6080, 7.3027, 57.6610



22.4745, 7.3027, 21.2785

Triad

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



16.6080, 7.3027, 57.6610



10.7041, 7.3027, 0.0000



0.9054, 7.3027, 16.0176

Complementary

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



16.6080, 7.3027, 57.6610



26.8480, 45.8950, 7.4436

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.



0.9793, 7.3027, 1.8195



16.6080, 7.3027, 57.6610



4.9731, 7.3027, 0.0000

Square

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



16.6080, 7.3027, 57.6610



18.0138, 7.3027, 0.0000



2.0181, 7.3027, 0.0000



1.7008, 7.3027, 49.8397

Rectangle

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



16.6080, 7.3027, 57.6610



23.5964, 7.3027, 6.9257



2.0181, 7.3027, 0.0000



0.8489, 7.3027, 9.0737

Sweetspot

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



16.6086, 7.3030, 57.6612



62.8347, 54.0888, 101.7362



15.6505, 13.8624, 58.9778



12.6765, 10.5231, 21.6130



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.



16.6086, 7.3030, 57.6612



27.2567, 11.9662, 95.4809



35.8011, 17.1971, 58.5594



11.1379, 11.1204, 14.1298



10.5614, 4.6521, 36.2976



0.6323, 0.2851, 1.8766

Inverse Universe

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



27.2020, 13.7574, 13.2773



44.9413, 22.7405, 21.4210



21.5930, 43.1859, 7.1977



11.4377, 11.3038, 12.8394



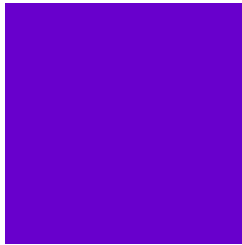
17.1680, 8.6778, 8.6033



0.9240, 0.4630, 0.6456

Previews

White Background



This preview shows how the XYZ color 16.6080, 7.3027, 57.6610 looks on a white background.

Color Contrast Check

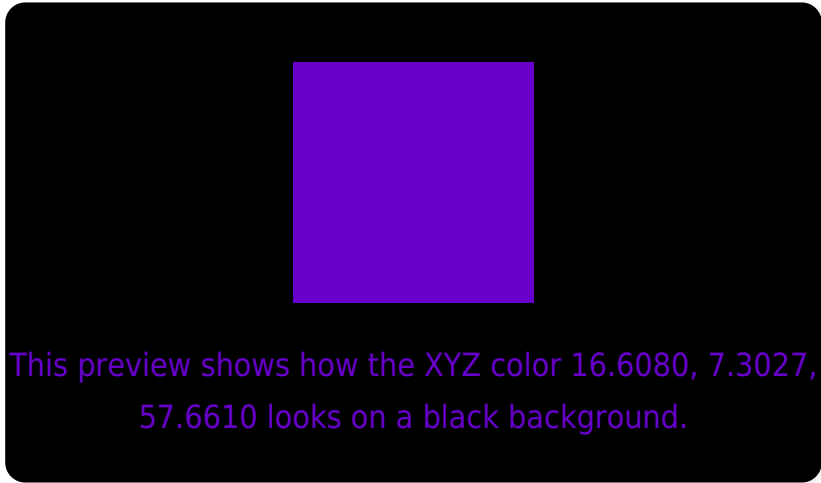
Large Text (above 18pt) WCAG AA ✓ Pass

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

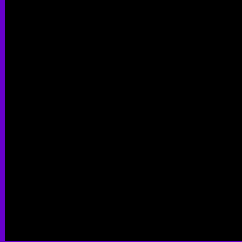
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6080, 7.3027, 57.6610

Background



This preview shows how black text looks on a background with the XYZ color 16.6080, 7.3027, 57.6610.



This preview shows how white text looks on a background with the XYZ color 16.6080, 7.3027,

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

16.6080, 7.3027, 57.6610

Protanopia

8.8424, 7.6721, 33.8157

Deuteranopia

7.3864, 7.6624, 24.3822



Tritanopia

7.1482, 7.6416, 9.9023

Trichromacy



Original Color

16.6080, 7.3027, 57.6610

Protanomaly

9.5941, 5.6211, 41.1368

Deuteranomaly

8.4603, 5.4413, 34.3226

Tritanomaly

8.7592, 5.7510, 21.4173

Monochromacy



Original Color

16.6080, 7.3027, 57.6610

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

6.0048, 3.6259, 14.8514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6080, 7.3027, 57.6610 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, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(104, 0, 204)  
}
```

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, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 16.6080, 7.3027, 57.6610 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, 0, 204) }
```


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

```
.border{ border-color:rgb(104, 0, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(104, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6080, 7.3027, 57.6610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 0, 204) }
```

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

```
.background{ background-color: rgb(104, 0,  
204) }
```

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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