

Converting Colors

XYZ(16.9645, 7.4864, 57.6776)

Have a look what the booklet for
XYZ(16.9645, 7.4864, 57.6776)
contains.

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Color

**XYZ(16.9625, 7.4854,
57.6776)**

Conversions

Conversions Part 1

Format	Color
Hex	6B00CC
RGB	107, 0, 204
RGB Percent	42%, 0%, 80%
CMY	0.5804, 1.0000, 0.2000
CMYK	0.48, 1.00, 0.00, 0.20
HSL	271°, 100%, 40%
HSV	271°, 100%, 80%
XYZ	16.9625, 7.4854, 57.6776
YIQ	55.2490, -1.7120, 86.1280

Conversions

Conversions Part 2

Format	Color
RYB	107, 0, 204
Decimal	7012556
CIELab	32.89, 70.78, -77.54
CIElCh	33, 104.987, 312.393
Yxy	7.4854, 0.2065, 0.0911
Android (android.graphics.Color)	4285202636 (0xFF6B00CC)
YUV	55.2490, 73.3342, 45.3856
Hunter-Lab	27.3595, 62.7886, -105.8401

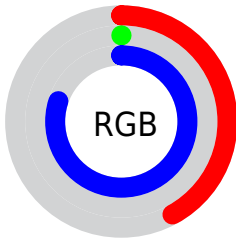
Details

The XYZ color **16.9625, 7.4854, 57.6776** is a dark color, and the websafe version is hex **6600CC**.

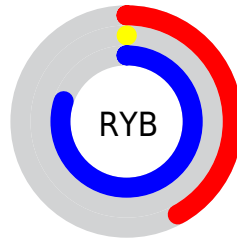
The color can be described as dark washed purple. A complement of this color would be **26.5223, 45.7271, 7.4283**, and the grayscale version is **3.5737, 3.7598, 4.0944**.

A 20% lighter version of the original color is **36.6472, 20.4424, 96.6220**, and **6.1446, 2.5502, 28.1854** is the 20% darker color. If you saturate the color by 10%, you get **16.9631, 7.4857, 57.6778**, and if you desaturate by 10%, it is **18.4528, 8.6356, 57.8213**.

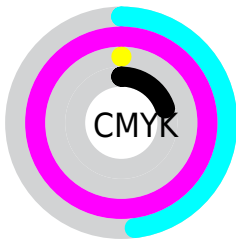
Distribution



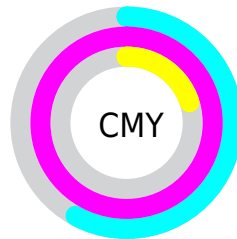
- Red (42%)
- Green (0%)
- Blue (80%)



- Red (42%)
- Yellow (0%)
- Blue (80%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (58%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9625, 7.4854, 57.6776 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 16.9625, 7.4854, 57.6776 by changing the saturation by 10% instead.

■ 16.9625, 7.4854,
57.6776

■ 16.9625, 7.4854,
57.6776

228.1166,
171.6382, 433.5482

■ 10.3029, 3.7675,
41.1365

■ 37.8054, 20.9433,
102.9634

■ 5.6640, 1.5444,
28.1053

■ 52.7194, 31.4520,
132.5451

■ 2.6806, 0.3196,
18.1653

■ 71.1156, 44.9931,
167.3109

■ 0.9872, 0.0000,
10.8981

■ 93.3593, 61.9510,
207.6791

■ 0.0000, 0.0000,
5.8850

■ 119.8159, 82.7100,
254.0685


■ 0.0000, 0.0000,
2.7076

■ 150.8508,


■ 0.0000, 0.0000,

107.6546, 306.8974


0.9473


 186.8292,
137.1692, 366.5844


 0.0000, 0.0000,
0.0000


 16.9625, 7.4854,
57.6776


 16.9625, 7.4854,
57.6776


 16.9631, 7.4857,
57.6778

 18.4528, 8.6356,
57.8213

 20.3490, 10.3981,
58.0615

 22.7487, 12.9614,
58.4298

 25.7054, 16.4271,
58.9429

 29.2647, 20.8808,
59.6150

■ 33.4670, 26.3982,
60.4585

■ 38.3488, 33.0473,
61.4846

■ 43.9434, 40.8900,
62.7035

■ 50.2822, 49.9840,
64.1247

Harmonies

Analogous

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



9.6498, 7.4854, 88.7575



16.9625, 7.4854, 57.6776



22.8261, 7.4854, 21.2691

Triad

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



16.9625, 7.4854, 57.6776



10.8404, 7.4854, 0.0000



0.9627, 7.4854, 16.5899

Complementary

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



16.9625, 7.4854, 57.6776



26.5223, 45.7271, 7.4283

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.



1.0302, 7.4854, 1.9731



16.9625, 7.4854, 57.6776



5.0677, 7.4854, 0.0000

Square

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



16.9625, 7.4854, 57.6776



18.2126, 7.4854, 0.0000



2.0836, 7.4854, 0.0000



1.7964, 7.4854, 50.7549

Rectangle

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



16.9625, 7.4854, 57.6776



23.9062, 7.4854, 6.9435



2.0836, 7.4854, 0.0000



0.9012, 7.4854, 9.4895

Sweetspot

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



16.9631, 7.4857, 57.6778



63.1713, 54.2624, 101.7519



15.3232, 13.2078, 58.8687



12.7561, 10.5642, 21.6167



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.



16.9631, 7.4857, 57.6778



27.8426, 12.2683, 95.5083



35.3976, 17.0357, 56.4348



11.1539, 11.1286, 14.1305



10.7850, 4.7674, 36.3080



0.6437, 0.2909, 1.8772

Inverse Universe

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



27.0594, 13.7004, 12.5265



44.7062, 22.6465, 20.1828



21.6116, 43.1934, 7.2957



11.4307, 11.3010, 12.8027



17.0779, 8.6417, 8.1286



0.9193, 0.4611, 0.6209

Previews

White Background



This preview shows how the XYZ color 16.9625, 7.4854, 57.6776 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

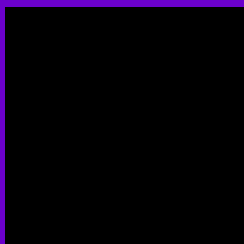
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9625, 7.4854, 57.6776

Background



This preview shows how black text looks on a background with the XYZ color 16.9625, 7.4854, 57.6776.



This preview shows how white text looks on a background with the XYZ color 16.9625, 7.4854,

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

16.9625, 7.4854, 57.6776

Protanopia

9.0869, 7.8810, 34.7605

Deuteranopia

7.6047, 7.8696, 25.1629



Tritanopia

7.4562, 7.8003, 9.9167

Trichromacy



Original Color

16.9625, 7.4854, 57.6776

Protanomaly

9.8708, 5.8023, 42.1947

Deuteranomaly

8.5863, 5.4960, 34.7907

Tritanomaly

9.0335, 5.8924, 21.4301

Monochromacy



Original Color

16.9625, 7.4854, 57.6776

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

6.1854, 3.7620, 14.8681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9625, 7.4854, 57.6776 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(107, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 16.9625, 7.4854, 57.6776 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(107, 0, 204) }
```


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

```
.border{ border-color:rgb(107, 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(107, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(107, 0,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9625, 7.4854, 57.6776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 0, 204) }
```

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

```
.background{ background-color: rgb(107, 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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