

Converting Colors

XYZ(16.9639, 7.7458, 45.9484)

Have a look what the booklet for
XYZ(16.9639, 7.7458, 45.9484)
contains.

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Color

**XYZ(16.9639, 7.7458,
45.9484)**

Conversions

Conversions Part 1

Format	Color
Hex	7C00B8
RGB	124, 0, 184
RGB Percent	49%, 0%, 72%
CMY	0.5137, 1.0000, 0.2784
CMYK	0.33, 1.00, 0.00, 0.28
HSL	280°, 100%, 36%
HSV	280°, 100%, 72%
XYZ	16.9639, 7.7458, 45.9484
YIQ	58.0520, 14.8400, 83.5120

Conversions

Conversions Part 2

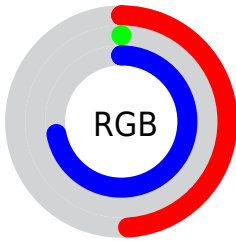
Format	Color
RYB	124, 0, 184
Decimal	8126648
CIELab	33.45, 68.38, -64.76
CIELCh	33, 94.176, 316.556
Yxy	7.7458, 0.2401, 0.1096
Android (android.graphics.Color)	4286316728 (0xFF7C00B8)
YUV	58.0520, 62.0924, 57.8364
Hunter-Lab	27.8313, 60.0957, -78.4037

Details

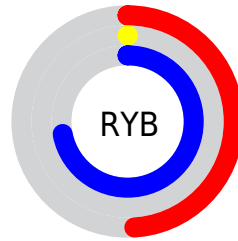
The XYZ color **16.9639, 7.7458, 45.9484** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **19.0041, 35.2418, 5.8008**, and the grayscale version is **3.9474, 4.1530, 4.5226**.

A 20% lighter version of the original color is **37.7530, 21.4648, 85.3724**, and **6.2760, 2.7700, 21.3230** is the 20% darker color. If you saturate the color by 10%, you get **16.9641, 7.7459, 45.9486**, and if you desaturate by 10%, it is **18.0810, 8.6525, 46.0647**.

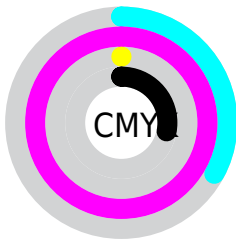
Distribution



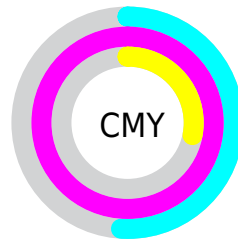
- Red (49%)
- Green (0%)
- Blue (72%)



- Red (49%)
- Yellow (0%)
- Blue (72%)



- Cyan (33%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)



- Cyan (51%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9639, 7.7458, 45.9484 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 16.9639, 7.7458, 45.9484 by changing the saturation by 10% instead.


 16.9639, 7.7458,
45.9484


 16.9639, 7.7458,
45.9484


228.1246,
173.7244, 386.8727


 10.3039, 3.9327,
31.8567


 37.8078, 21.4586,
85.4752


 5.6647, 1.6360,
20.9882


 52.7224, 32.1271,
111.7475


 2.6810, 0.3817,
12.9242


 71.1192, 45.8495,
142.9170

 0.9874, 0.0000,
7.2463

 93.3637, 63.0103,
179.4024

 0.0000, 0.0000,
3.5358

 119.8211, 83.9937,
221.6221

 0.0000, 0.0000,
1.3743

 150.8568,

 0.0000, 0.0000,

109.1843, 269.9947


0.1216

 186.8362,
138.9664, 324.9387


 0.0000, 0.0000,
0.0000


 16.9639, 7.7458,
45.9484


 16.9639, 7.7458,
45.9484


 16.9641, 7.7459,
45.9486

 18.0810, 8.6525,
46.0647

 19.4610, 10.0061,
46.2532

 21.1833, 11.9634,
46.5403

 23.2873, 14.6016,
46.9386

 25.8060, 17.9859,
47.4591

■ 28.7689, 22.1737,
48.1112

■ 32.2025, 27.2168,
48.9037

■ 36.1308, 33.1624,
49.8443

■ 40.5765, 40.0545,
50.9403

Harmonies

Analogous

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



10.5079, 7.7458, 73.6036



16.9639, 7.7458, 45.9484



21.5172, 7.7458, 16.7436

Triad

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



16.9639, 7.7458, 45.9484



9.8721, 7.7458, 0.0000



1.4103, 7.7458, 19.1681

Complementary

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



16.9639, 7.7458, 45.9484



19.0041, 35.2418, 5.8008

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.



1.3652, 7.7458, 3.4618



16.9639, 7.7458, 45.9484



4.9167, 7.7458, 0.0000

Square

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



16.9639, 7.7458, 45.9484



16.3184, 7.7458, 0.0000



2.3066, 7.7458, 0.0000



2.4839, 7.7458, 49.3525

Rectangle

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



16.9639, 7.7458, 45.9484



21.9361, 7.7458, 5.6283



2.3066, 7.7458, 0.0000



1.3001, 7.7458, 12.0444

Sweetspot

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



16.9643, 7.7461, 45.9486



58.0408, 48.8385, 88.5723



10.3385, 6.8342, 46.1218



11.9321, 9.6696, 18.9591



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.9643, 7.7461, 45.9486



30.4903, 13.9066, 83.2818



25.5447, 12.5014, 31.3486



9.0886, 9.0120, 11.3399



11.7682, 5.3779, 31.6709



0.4769, 0.2216, 1.1194

Inverse Universe

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



20.5829, 10.5167, 5.2202



37.2144, 19.0252, 8.9490



17.3836, 34.3783, 6.9931



9.1221, 9.0592, 9.9905



14.2148, 7.2597, 3.7520



0.5304, 0.2676, 0.2864

Previews

White Background



This preview shows how the XYZ color 16.9639, 7.7458, 45.9484 looks on a white background.

Color Contrast Check

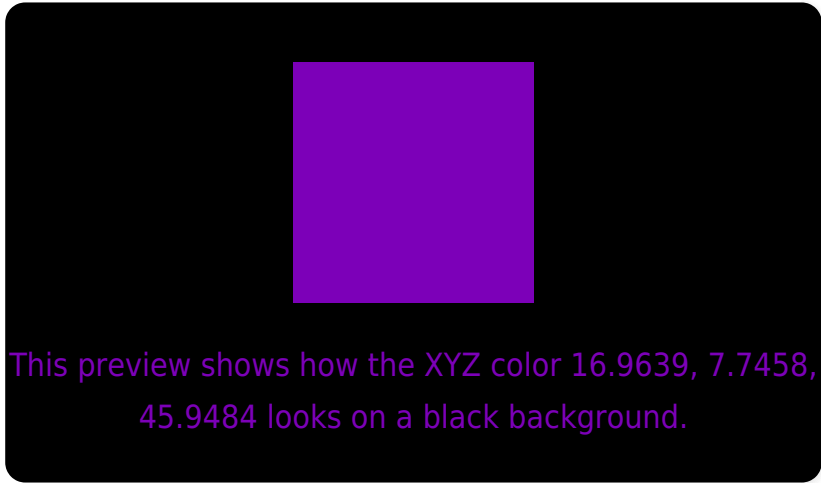
Large Text (above 18pt) WCAG AA ✓ Pass

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

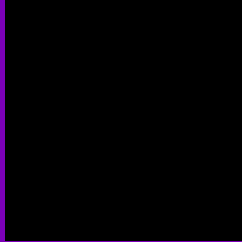
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9639, 7.7458, 45.9484

Background



This preview shows how black text looks on a background with the XYZ color 16.9639, 7.7458, 45.9484.



This preview shows how white text looks on a background with the XYZ color 16.9639, 7.7458,

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

16.9639, 7.7458, 45.9484

Protanopia

9.5159, 8.1654, 36.6718

Deuteranopia

8.0512, 8.1697, 27.1392



Tritanopia

9.4826, 8.1738, 8.0991

Trichromacy



Original Color

16.9639, 7.7458, 45.9484



Protanomaly

9.6692, 5.8177, 39.6430



Deuteranomaly

8.5268, 5.5727, 32.9740



Tritanomaly

10.8115, 6.6597, 17.2386

Monochromacy



Original Color

16.9639, 7.7458, 45.9484



Achromatopsia

4.0217, 4.2311, 4.6077



Achromatomaly

6.6399, 4.1165, 13.5413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9639, 7.7458, 45.9484 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(124, 0, 184)` looks like.

```
.text, #text, p{  
    color:rgb(124, 0, 184)  
}
```

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(124, 0, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 0, 184) }
```

Border

The CSS property to change the border of an element to XYZ 16.9639, 7.7458, 45.9484 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(124, 0, 184) }
```


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

```
.border{ border-color:rgb(124, 0, 184) }
```

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

Here you see how a box with a 4 pixel rgb(124, 0, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(124, 0,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9639, 7.7458, 45.9484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 0, 184) }
```

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

```
.background{ background-color: rgb(124, 0,  
184) }
```

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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