

Converting Colors

XYZ(22.4934, 16.2647, 59.7115)

Have a look what the booklet for
XYZ(22.4934, 16.2647, 59.7115)
contains.

XYZ(22.4934, 16.2647, 59.7115)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.4934, 16.2647,
59.7115)**

Conversions

Conversions Part 1

Format	Color
Hex	765ECD
RGB	118, 94, 205
RGB Percent	46%, 37%, 80%
CMY	0.5372, 0.6314, 0.1961
CMYK	0.42, 0.54, 0.00, 0.20
HSL	253°, 53%, 59%
HSV	253°, 54%, 80%
XYZ	22.4934, 16.2647, 59.7115
YIQ	113.8300, -21.3270, 39.6090

Conversions

Conversions Part 2

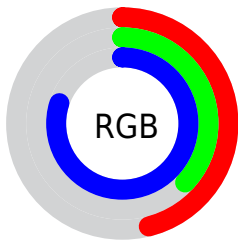
Format	Color
R _{YB}	118, 94, 205
Decimal	7757517
CIE Lab	47.32, 36.34, -54.53
CIE LCh	47, 65.534, 303.681
Yxy	16.2647, 0.2284, 0.1652
Android (android.graphics.Color)	4285947597 (0xFF765ECD)
YUV	113.8300, 44.9468, 3.6571
Hunter-Lab	40.3295, 28.9800, -59.5535

Details

The XYZ color **22.4934, 16.2647, 59.7115** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted purple. A complement of this color would be **42.9073, 54.2945, 18.8083**, and the grayscale version is **15.8183, 16.6420, 18.1232**.

A 20% lighter version of the original color is **45.8546, 36.5848, 99.2525**, and **8.4460, 5.2271, 29.4179** is the 20% darker color. If you saturate the color by 10%, you get **18.9075, 12.0601, 59.0893**, and if you desaturate by 10%, it is **26.9364, 21.6300, 60.5133**.

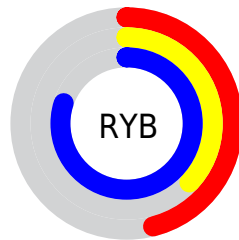
Distribution



Red (46%)

Green (37%)

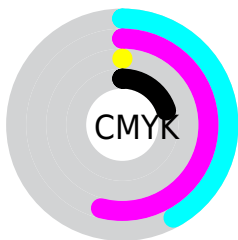
Blue (80%)



Red (46%)

Yellow (37%)

Blue (80%)

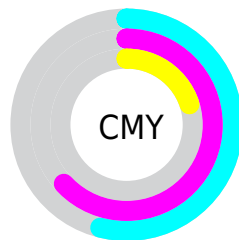


Cyan (42%)

Magenta (54%)

Yellow (0%)

Black (20%)



Cyan (54%)

Magenta (63%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4934, 16.2647, 59.7115 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 22.4934, 16.2647, 59.7115 by changing the saturation by 10% instead.

■ 22.4934, 16.2647,
59.7115

■ 22.4934, 16.2647,
59.7115

257.6964,
230.8986, 441.3086

■ 14.3385, 9.7117,
42.7624

■ 47.0329, 37.0571,
105.9503

■ 8.4398, 5.2082,
29.3687

■ 64.1483, 52.0653,
136.0771

■ 4.4318, 2.3699,
19.1119

■ 84.9812, 70.6606,
171.4335

■ 1.9492, 0.8104,
11.5736

■ 109.8971, 93.2275,
212.4380

■ 0.6052, 0.0000,
6.3350

139.2611,
120.1504, 259.5093

■ 0.0000, 0.0000,
2.9778

173.4388,

■ 0.0000, 0.0000,

151.8136, 313.0658

1.0833

212.7955,
188.6015, 373.5260

■ 0.0000, 0.0000,
0.0000

■ 22.4934, 16.2647,
59.7115

■ 22.4934, 16.2647,
59.7115

■ 18.9075, 12.0601,
59.0893

■ 26.9364, 21.6300,
60.5133

■ 16.1185, 8.9264,
58.6314

■ 32.2868, 28.2332,
61.5058

■ 14.0612, 6.7628,
58.3222

■ 38.5934, 36.1469,
62.7009

■ 12.6582, 5.4478,
58.1423

■ 45.9009, 45.4372,
64.1090

■ 12.0725, 4.9506,
58.0772

■ 54.2509, 56.1661,
65.7398

■ 63.6830, 68.3916,
67.6024

■ 74.2343, 82.1683,
69.7055

■ 84.9753, 95.6185,
71.7355

■ 88.0195, 97.1878,
71.8780

Harmonies

Analogous

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



16.1851, 16.2647, 72.4074



22.4934, 16.2647, 59.7115



27.7428, 16.2647, 35.9465

Triad

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



22.4934, 16.2647, 59.7115



20.9406, 16.2647, 1.7458



6.7965, 16.2647, 19.8368

Complementary

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



22.4934, 16.2647, 59.7115



42.9073, 54.2945, 18.8083

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.



7.4718, 16.2647, 6.9990



22.4934, 16.2647, 59.7115



14.7552, 16.2647, 1.1416

Square

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



22.4934, 16.2647, 59.7115



26.7004, 16.2647, 5.2577



10.0694, 16.2647, 2.2201



7.9208, 16.2647, 41.9365

Rectangle

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



22.4934, 16.2647, 59.7115



29.3787, 16.2647, 21.4568



10.0694, 16.2647, 2.2201



6.8224, 16.2647, 14.4261

Sweetspot

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



22.4941, 16.2653, 59.7119



72.5857, 71.1060, 104.5069



32.5281, 40.5723, 63.8748



14.9881, 14.5211, 22.2628



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.



22.4941, 16.2653, 59.7119



30.1142, 18.7734, 96.6442



31.9699, 21.1502, 60.1554



10.8248, 10.9590, 14.1151



7.5821, 3.1163, 36.1581



0.4574, 0.1949, 1.8685

Inverse Universe

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



37.5200, 24.3209, 46.4314



57.6401, 33.5692, 70.5678



32.6492, 49.0063, 18.3283



11.5796, 11.3606, 13.5870



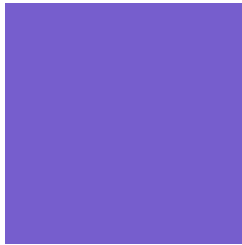
19.6965, 9.6892, 21.9185



1.0426, 0.5105, 1.2704

Previews

White Background



This preview shows how the XYZ color 22.4934, 16.2647, 59.7115 looks on a white background.

Color Contrast Check

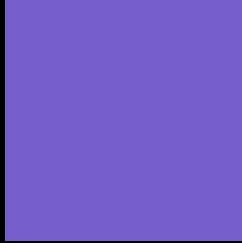
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.4934, 16.2647, 59.7115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

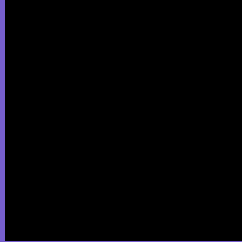
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.4934, 16.2647, 59.7115

Background



This preview shows how black text looks on a background with the XYZ color 22.4934, 16.2647, 59.7115.



This preview shows how white text looks on a background with the XYZ color 22.4934, 16.2647,

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

22.4934, 16.2647, 59.7115

Protanopia

19.2771, 16.4060, 69.8608

Deuteranopia

16.8435, 16.4114, 56.9236



Tritanopia

14.8058, 16.3134, 21.4372

Trichromacy



Original Color

22.4934, 16.2647, 59.7115

Protanomaly

19.6418, 15.9089, 66.3255

Deuteranomaly

17.7220, 15.7095, 57.9753

Tritanomaly

16.8332, 15.8186, 32.3031

Monochromacy



Original Color

22.4934, 16.2647, 59.7115

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.5944, 16.2668, 29.8162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4934, 16.2647, 59.7115 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(118, 94, 205)` looks like.

```
.text, #text, p{  
    color:rgb(118, 94, 205)  
}
```

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(118, 94, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 94, 205) }
```

Border

The CSS property to change the border of an element to XYZ 22.4934, 16.2647, 59.7115 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(118, 94, 205) }
```


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

```
.border{ border-color:rgb(118, 94, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 94, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 94, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 94, 205); box-shadow:4px 4px 4px 4px rgb(118, 94, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4934, 16.2647, 59.7115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 94, 205) }
```

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

```
.background{ background-color: rgb(118, 94,  
205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor