

Converting Colors

XYZ(16.6683, 11.1316, 36.1516)

Have a look what the booklet for
XYZ(16.6683, 11.1316, 36.1516)
contains.

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Color

**XYZ(16.6098, 11.1439,
35.9259)**

Conversions

Conversions Part 1

Format	Color
Hex	7847A3
RGB	120, 71, 163
RGB Percent	47%, 28%, 64%
CMY	0.5294, 0.7216, 0.3608
CMYK	0.26, 0.56, 0.00, 0.36
HSL	272°, 39%, 46%
HSV	272°, 56%, 64%
XYZ	16.6098, 11.1439, 35.9259
YIQ	96.1390, -0.3280, 39.0000

Conversions

Conversions Part 2

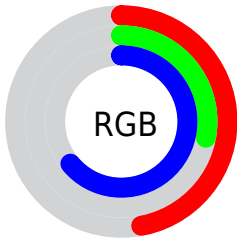
Format	Color
R_{YB}	120, 71, 163
Decimal	7882659
CIE _{Lab}	39.82, 38.93, -41.96
CIE _{LCh}	40, 57.236, 312.857
Yxy	11.1439, 0.2608, 0.1750
Android (android.graphics.Color)	4286072739 (0xFF7847A3)
YUV	96.1390, 32.9625, 20.9261
Hunter-Lab	33.3825, 30.3952, -40.4396

Details

The XYZ color **16.6098, 11.1439, 35.9259** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **21.1742, 30.2270, 10.6800**, and the grayscale version is **11.0749, 11.6517, 12.6887**.

A 20% lighter version of the original color is **37.1715, 27.8507, 69.7462**, and **5.5595, 2.9894, 15.3229** is the 20% darker color. If you saturate the color by 10%, you get **14.6940, 8.8185, 35.5782**, and if you desaturate by 10%, it is **18.8887, 14.0696, 36.3707**.

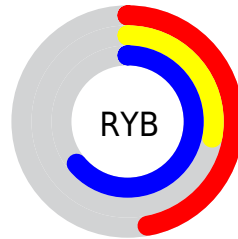
Distribution



Red (47%)

Green (28%)

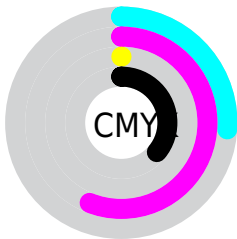
Blue (64%)



Red (47%)

Yellow (28%)

Blue (64%)

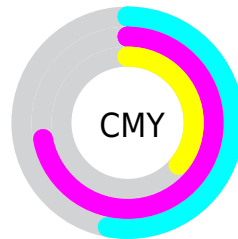


Cyan (26%)

Magenta (56%)

Yellow (0%)

Black (36%)



Cyan (53%)

Magenta (72%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6098, 11.1439, 35.9259 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 16.6098, 11.1439, 35.9259 by changing the saturation by 10% instead.

■ 16.6098, 11.1439,
35.9259

■ 16.6098, 11.1439,
35.9259

226.1140,
198.6521, 343.6642

■ 10.0503, 6.1637,
24.0877

■ 37.2026, 27.9260,
70.0854

■ 5.4948, 2.9449,
15.1859

■ 51.9666, 40.4966,
93.2439

■ 2.5781, 1.1030,
8.8019

■ 70.1961, 56.3662,
121.0128

■ 0.9348, 0.0000,
4.5171

■ 92.2565, 75.9191,
153.8108

■ 0.0000, 0.0000,
1.9131

■ 118.5131, 99.5398,
192.0564

■ 0.0000, 0.0000,
0.5011

149.3313,

■ 0.0000, 0.0000,

127.6126, 236.1682

0.0000

185.0765,

160.5219, 286.5646

■ 16.6098, 11.1439,
35.9259

■ 16.6098, 11.1439,
35.9259

■ 14.6940, 8.8185,
35.5782

■ 18.8887, 14.0696,
36.3707

■ 13.1151, 7.0455,
35.3192

■ 21.5514, 17.6358,
36.9187

■ 11.8452, 5.7715,
35.1403

■ 24.6186, 21.8807,
37.5764

■ 10.8446, 4.9204,
35.0287

■ 28.1090, 26.8390,
38.3495

■ 10.5242, 4.6618,
34.9957

■ 32.0399, 32.5429,
39.2433

■ 36.4278, 39.0228,
40.2628

■ 41.2882, 46.3072,
41.4126

■ 46.6357, 54.4233,
42.6973

■ 52.4844, 63.3967,
44.1211

Harmonies

Analogous

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



12.3644, 11.1439, 47.8396



16.6098, 11.1439, 35.9259



19.5810, 11.1439, 19.6986

Triad

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



16.6098, 11.1439, 35.9259



12.9798, 11.1439, 0.9764



4.7996, 11.1439, 17.6162

Complementary

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



16.6098, 11.1439, 35.9259



21.1742, 30.2270, 10.6800

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.



4.8865, 11.1439, 6.8061



16.6098, 11.1439, 35.9259



8.9975, 11.1439, 0.8989

Square

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



16.6098, 11.1439, 35.9259



17.1553, 11.1439, 2.5625



6.2377, 11.1439, 2.1776



5.9610, 11.1439, 33.6164

Rectangle

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



16.6098, 11.1439, 35.9259



20.0769, 11.1439, 11.0866



6.2377, 11.1439, 2.1776



4.6942, 11.1439, 13.2450

Sweetspot

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



16.6103, 11.1443, 35.9262



49.7628, 47.2369, 68.5510



15.3939, 16.3525, 36.9956



10.9006, 10.2145, 15.3346



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.6103, 11.1443, 35.9262



25.4588, 14.8011, 63.5712



23.8320, 14.8831, 35.5512



7.0438, 7.0369, 8.8901



8.2321, 3.6503, 27.2005



0.2270, 0.1045, 0.5741

Inverse Universe

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



20.3951, 13.5083, 17.4523



33.4741, 19.7956, 24.9766



16.8832, 28.0091, 10.7394



7.2051, 7.1385, 8.0664



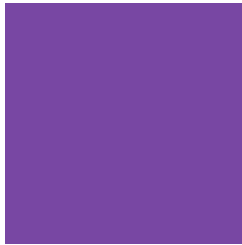
12.7802, 6.4681, 6.0333



0.2924, 0.1454, 0.2522

Previews

White Background



This preview shows how the XYZ color 16.6098, 11.1439, 35.9259 looks on a white background.

Color Contrast Check

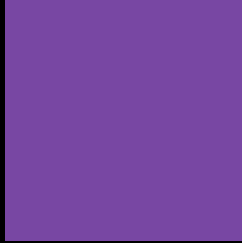
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6098, 11.1439, 35.9259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

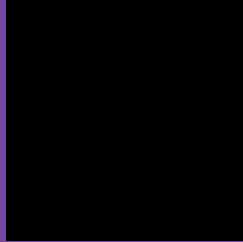
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6098, 11.1439, 35.9259

Background



This preview shows how black text looks on a background with the XYZ color 16.6098, 11.1439, 35.9259.



This preview shows how white text looks on a background with the XYZ color 16.6098, 11.1439,

35.9259.

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

16.6098, 11.1439, 35.9259

Protanopia

13.1250, 11.3324, 46.2954

Deuteranopia

11.5792, 11.3311, 33.9246



Tritanopia

11.8680, 11.1774, 12.5983

Trichromacy



Original Color

16.6098, 11.1439, 35.9259

Protanomaly

13.3907, 10.7042, 42.4346

Deuteranomaly

12.5746, 10.6895, 34.6582

Tritanomaly

13.0895, 10.8354, 19.1708

Monochromacy



Original Color

16.6098, 11.1439, 35.9259

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.6241, 11.1757, 19.2611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6098, 11.1439, 35.9259 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(120, 71, 163)` looks like.

```
.text, #text, p{  
  color:rgb(120, 71, 163)  
}
```

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(120, 71, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 71, 163) }
```

Border

The CSS property to change the border of an element to XYZ 16.6098, 11.1439, 35.9259 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(120, 71, 163) }
```


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

```
.border{ border-color:rgb(120, 71, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 71, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 71, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 71, 163); box-shadow:4px 4px 4px 4px rgb(120, 71, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6098, 11.1439, 35.9259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 71, 163) }
```

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

```
.background{ background-color: rgb(120, 71,  
163) }
```

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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