

Converting Colors

XYZ(11.6625, 7.1886, 16.7804)

Have a look what the booklet for
XYZ(11.6625, 7.1886, 16.7804)
contains.

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Color

**XYZ(11.6615, 7.1699,
16.6889)**

Conversions

Conversions Part 1

Format	Color
Hex	772F72
RGB	119, 47, 114
RGB Percent	47%, 18%, 45%
CMY	0.5333, 0.8157, 0.5529
CMYK	0.00, 0.61, 0.04, 0.53
HSL	304°, 43%, 33%
HSV	304°, 61%, 47%
XYZ	11.6615, 7.1699, 16.6889
YIQ	76.1660, 21.4050, 36.1010

Conversions

Conversions Part 2

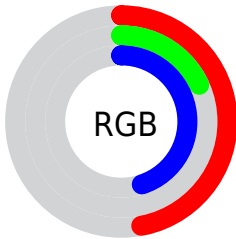
Format	Color
R_{YB}	119, 47, 114
Decimal	7810930
CIE _{Lab}	32.19, 40.73, -23.95
CIE _{LCh}	32, 47.251, 329.550
Yxy	7.1699, 0.3283, 0.2019
Android (android.graphics.Color)	4286001010 (0xFF772F72)
YUV	76.1660, 18.6522, 37.5654
Hunter-Lab	26.7767, 30.8793, -18.2096

Details

The XYZ color **11.6615, 7.1699, 16.6889** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **8.3893, 14.0461, 5.5183**, and the grayscale version is **6.8644, 7.2219, 7.8646**.

A 20% lighter version of the original color is **28.4842, 20.3728, 38.5074**, and **3.3673, 1.6223, 5.2899** is the 20% darker color. If you saturate the color by 10%, you get **11.2023, 6.3263, 16.3049**, and if you desaturate by 10%, it is **12.2514, 8.2739, 17.1187**.

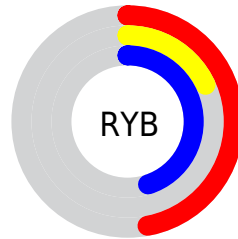
Distribution



Red (47%)

Green (18%)

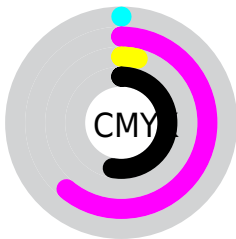
Blue (45%)



Red (47%)

Yellow (18%)

Blue (45%)

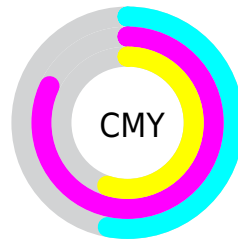


Cyan (0%)

Magenta (61%)

Yellow (4%)

Black (53%)



Cyan (53%)


Magenta (82%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.6615, 7.1699, 16.6889 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 11.6615, 7.1699, 16.6889 by changing the saturation by 10% instead.


 11.6615, 7.1699,
16.6889


 11.6615, 7.1699,
16.6889


195.9673,
169.0681, 245.3561


 6.5842, 3.5686,
9.8533


 28.4993, 20.3142,
38.5734

 3.2474, 1.4353,
5.1975

 40.9905, 30.6260,
54.4594


 1.2859, 0.2425,
2.3028

 56.6837, 43.9433,
74.1993

 0.1726, 0.0000,
0.7328

 75.9443, 60.6507,
98.2116

 0.0000, 0.0000,
0.0000

 99.1376, 81.1325,
126.9150

 126.6289,

105.7730, 160.7278

158.7837,
134.9567, 200.0687

■ 11.6615, 7.1699,
16.6889

■ 11.6615, 7.1699,
16.6889

■ 11.2023, 6.3263,
16.3049

■ 12.2514, 8.2739,
17.1187

■ 10.8623, 5.7205,
15.9625

■ 12.9808, 9.6565,
17.5971

■ 10.6290, 5.3276,
15.6579

■ 13.8588, 11.3354,
18.1272

■ 10.4625, 5.0639,
15.3888

■ 14.8934, 13.3268,
18.7115

■ 16.0918, 15.6454,
19.3526

■ 17.4612, 18.3052,
20.0528

■ 19.0081, 21.3192,
20.8142

■ 20.7386, 24.6998,
21.6391

■ 22.6588, 28.4589,
22.5292

Harmonies

Analogous

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



9.3753, 7.1699, 26.0706



11.6615, 7.1699, 16.6889



12.6033, 7.1699, 7.9119

Triad

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



11.6615, 7.1699, 16.6889



6.8514, 7.1699, 0.5769



3.5169, 7.1699, 16.3900

Complementary

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



11.6615, 7.1699, 16.6889



8.3893, 14.0461, 5.5183

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.



3.1420, 7.1699, 7.7026



11.6615, 7.1699, 16.6889



4.7689, 7.1699, 1.0071

Square

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



11.6615, 7.1699, 16.6889



9.4538, 7.1699, 1.0341



3.5404, 7.1699, 2.8154



4.7192, 7.1699, 25.8376

Rectangle

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



11.6615, 7.1699, 16.6889



12.2038, 7.1699, 4.1443



3.5404, 7.1699, 2.8154



3.3046, 7.1699, 13.1656

Sweetspot

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



11.6618, 7.1702, 16.6890



27.0840, 24.6645, 33.7331



5.7526, 4.0901, 17.9391



6.3022, 5.6205, 7.9308



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.6618, 7.1702, 16.6890



19.7700, 10.8064, 28.9216



10.0069, 6.5083, 7.9746



3.8162, 3.7538, 4.5588



11.1144, 5.3795, 16.3422



54.0316, 26.1627, 78.9527

Inverse Universe

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



11.6618, 7.1702, 16.6890



19.7700, 10.8064, 28.9216



9.5226, 14.4995, 11.4863



3.8162, 3.7538, 4.5588



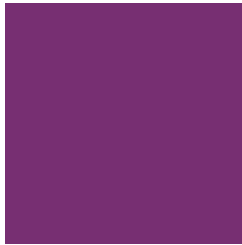
11.1144, 5.3795, 16.3422



54.0316, 26.1627, 78.9527

Previews

White Background



This preview shows how the XYZ color 11.6615, 7.1699, 16.6889 looks on a white background.

Color Contrast Check

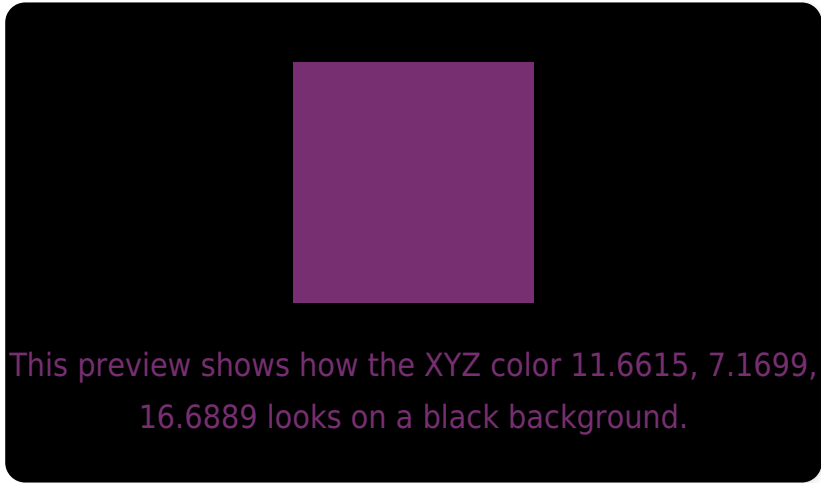
Large Text (above 18pt) WCAG AA ✓ Pass

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

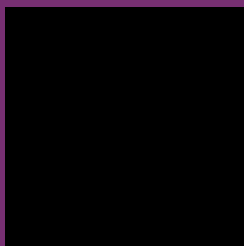
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6615, 7.1699, 16.6889

Background



This preview shows how black text looks on a background with the XYZ color 11.6615, 7.1699, 16.6889.



This preview shows how white text looks on a background with the XYZ color 11.6615, 7.1699,

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

11.6615, 7.1699, 16.6889

Protanopia

8.2302, 7.4480, 25.0486

Deuteranopia

7.4591, 7.3630, 15.4961



Tritanopia

9.4329, 7.2299, 5.8994

Trichromacy



Original Color

11.6615, 7.1699, 16.6889

Protanomaly

8.6004, 6.7820, 21.6247

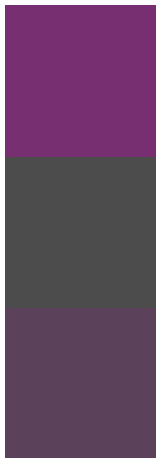
Deuteranomaly

8.4157, 6.8131, 15.9104

Tritanomaly

10.0457, 7.0977, 9.0241

Monochromacy



Original Color

11.6615, 7.1699, 16.6889

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

8.1494, 6.7941, 10.5547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6615, 7.1699, 16.6889 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(119, 47, 114)` looks like.

```
.text, #text, p{  
    color:rgb(119, 47, 114)  
}
```

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(119, 47, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 47, 114) }
```

Border

The CSS property to change the border of an element to XYZ 11.6615, 7.1699, 16.6889 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(119, 47, 114) }
```


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

```
.border{ border-color:rgb(119, 47, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 47, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 47, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 47, 114);  
box-shadow:4px 4px 4px 4px rgb(119, 47,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6615, 7.1699, 16.6889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 47, 114) }
```

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

```
.background{ background-color: rgb(119, 47,  
114) }
```

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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