

Converting Colors

XYZ(12.0163, 7.1853, 16.6360)

Have a look what the booklet for
XYZ(12.0163, 7.1853, 16.6360)
contains.

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Color

**XYZ(11.9640, 7.1538,
16.6698)**

Conversions

Conversions Part 1

Format	Color
Hex	7A2C72
RGB	122, 44, 114
RGB Percent	48%, 17%, 45%
CMY	0.5216, 0.8274, 0.5529
CMYK	0.00, 0.64, 0.07, 0.52
HSL	306°, 47%, 33%
HSV	306°, 64%, 48%
XYZ	11.9640, 7.1538, 16.6698
YIQ	75.3020, 24.0180, 38.3060

Conversions

Conversions Part 2

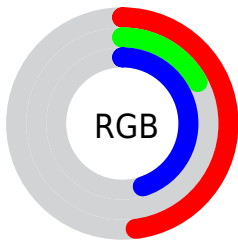
Format	Color
R_YB	122, 44, 114
Decimal	8006770
CIE _{Lab}	32.15, 43.02, -23.97
CIE _{LCh}	32, 49.245, 330.876
Yxy	7.1538, 0.3343, 0.1999
Android (android.graphics.Color)	4286196850 (0xFF7A2C72)
YUV	75.3020, 19.0781, 40.9541
Hunter-Lab	26.7466, 33.0382, -18.2299

Details

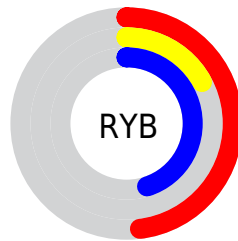
The XYZ color **11.9640, 7.1538, 16.6698** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **8.6184, 14.7028, 5.6329**, and the grayscale version is **6.7061, 7.0554, 7.6833**.

A 20% lighter version of the original color is **29.1066, 20.2847, 38.4576**, and **3.5092, 1.6954, 5.2966** is the 20% darker color. If you saturate the color by 10%, you get **11.5039, 6.3467, 16.1674**, and if you desaturate by 10%, it is **12.5592, 8.2293, 17.2222**.

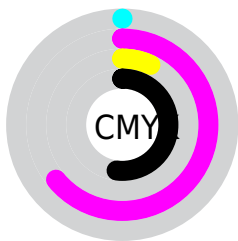
Distribution



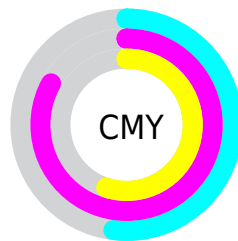
- Red (48%)
- Green (17%)
- Blue (45%)



- Red (48%)
- Yellow (17%)
- Blue (45%)



- Cyan (0%)
- Magenta (64%)
- Yellow (7%)
- Black (52%)



- Cyan (52%)
- Magenta (83%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9640, 7.1538, 16.6698 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 11.9640, 7.1538, 16.6698 by changing the saturation by 10% instead.

■ 11.9640, 7.1538,
16.6698

■ 11.9640, 7.1538,
16.6698

197.9416,
168.9356, 245.2415

■ 6.7912, 3.5585,
9.8399

■ 29.0469, 20.2820,
38.5400

■ 3.3770, 1.4298,
5.1887

■ 41.6878, 30.5836,
54.4174

■ 1.3561, 0.2385,
2.2977

■ 57.5487, 43.8894,
74.1477

■ 0.2246, 0.0000,
0.7300

■ 76.9950, 60.5838,
98.1494

■ 0.0000, 0.0000,
0.0000

■ 100.3921, 81.0513,
126.8411

■ 128.1054,

105.6761, 160.6413

160.5001,
134.8428, 199.9686

■ 11.9640, 7.1538,
16.6698

■ 11.9640, 7.1538,
16.6698

■ 11.5039, 6.3467,
16.1674

■ 12.5592, 8.2293,
17.2222

■ 11.1661, 5.7827,
15.7105

■ 13.2995, 9.5935,
17.8276

■ 10.9344, 5.4295,
15.2938

■ 14.1947, 11.2659,
18.4896

■ 10.8128, 5.2523,
15.0496

■ 15.2534, 13.2639,
19.2109

■ 16.4839, 15.6038,
19.9944

■ 17.8937, 18.3007,
20.8425

■ 19.4899, 21.3688,
21.7577

■ 21.2792, 24.8215,
22.7422

■ 23.2679, 28.6715,
23.7982

Harmonies

Analogous

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



9.5978, 7.1538, 26.7689



11.9640, 7.1538, 16.6698



12.8773, 7.1538, 7.5792

Triad

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



11.9640, 7.1538, 16.6698



6.7257, 7.1538, 0.4334



3.4341, 7.1538, 17.2870

Complementary

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



11.9640, 7.1538, 16.6698



8.6184, 14.7028, 5.6329

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.



3.0176, 7.1538, 8.0032



11.9640, 7.1538, 16.6698



4.6060, 7.1538, 0.9209

Square

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



11.9640, 7.1538, 16.6698



9.4374, 7.1538, 0.8683



3.3874, 7.1538, 2.8035



4.7056, 7.1538, 27.2545

Rectangle

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



11.9640, 7.1538, 16.6698



12.3979, 7.1538, 3.8205



3.3874, 7.1538, 2.8035



3.2059, 7.1538, 13.8459

Sweetspot

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



11.9643, 7.1541, 16.6699



27.7653, 25.1007, 34.4001



5.8197, 3.9316, 18.8648



6.2364, 5.5263, 7.7935



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.



11.9643, 7.1541, 16.6699



19.9204, 10.6264, 28.0375



10.2039, 6.4500, 7.4001



4.1376, 4.0708, 4.9224



11.3822, 5.5290, 15.8354



54.1117, 26.3010, 74.5755

Inverse Universe

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



11.9643, 7.1541, 16.6699



19.9204, 10.6264, 28.0375



9.8783, 15.2068, 12.2673



4.1376, 4.0708, 4.9224



11.3822, 5.5290, 15.8354



54.1117, 26.3010, 74.5755

Previews

White Background



This preview shows how the XYZ color 11.9640, 7.1538, 16.6698 looks on a white background.

Color Contrast Check

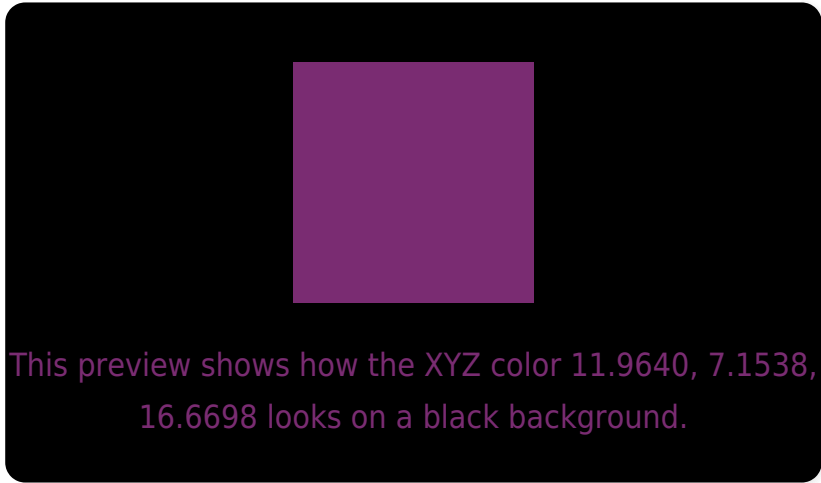
Large Text (above 18pt) WCAG AA ✓ Pass

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

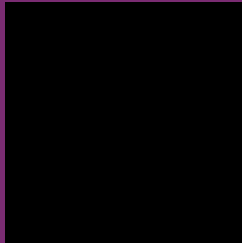
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9640, 7.1538, 16.6698

Background



This preview shows how black text looks on a background with the XYZ color 11.9640, 7.1538, 16.6698.



This preview shows how white text looks on a background with the XYZ color 11.9640, 7.1538,

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

11.9640, 7.1538, 16.6698

Protanopia

8.2528, 7.3342, 26.1800

Deuteranopia

7.5247, 7.3968, 15.4991



Tritanopia

9.6636, 7.1998, 5.5830

Trichromacy



Original Color

11.9640, 7.1538, 16.6698

Protanomaly

8.5467, 6.5714, 22.2907

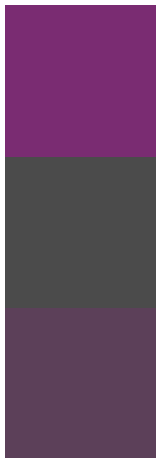
Deuteranomaly

8.5404, 6.7929, 15.9000

Tritanomaly

10.3134, 7.0991, 8.8093

Monochromacy



Original Color

11.9640, 7.1538, 16.6698

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.0502, 6.6634, 10.3131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9640, 7.1538, 16.6698 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(122, 44, 114)` looks like.

```
.text, #text, p{  
    color:rgb(122, 44, 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(122, 44, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 44, 114) }
```

Border

The CSS property to change the border of an element to XYZ 11.9640, 7.1538, 16.6698 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(122, 44, 114) }
```


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

```
.border{ border-color:rgb(122, 44, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 44, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 44, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 44, 114);  
box-shadow:4px 4px 4px 4px rgb(122, 44,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9640, 7.1538, 16.6698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 44, 114) }
```

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

```
.background{ background-color: rgb(122, 44,  
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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