

Converting Colors

XYZ(15.6847, 10.8808, 40.3073)

Have a look what the booklet for
XYZ(15.6847, 10.8808, 40.3073)
contains.

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Color

**XYZ(15.7209, 10.8794,
40.3011)**

Conversions

Conversions Part 1

Format	Color
Hex	694AAC
RGB	105, 74, 172
RGB Percent	41%, 29%, 67%
CMY	0.5882, 0.7098, 0.3255
CMYK	0.39, 0.57, 0.00, 0.33
HSL	259°, 40%, 48%
HSV	259°, 57%, 67%
XYZ	15.7209, 10.8794, 40.3011
YIQ	94.4410, -12.9820, 37.0500

Conversions

Conversions Part 2

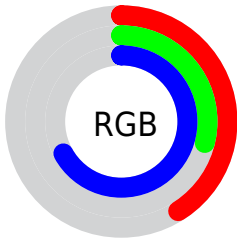
Format	Color
R_{YB}	105, 74, 172
Decimal	6900396
CIE _{Lab}	39.38, 35.77, -48.12
CIE _{LCh}	39, 59.960, 306.625
Yxy	10.8794, 0.2350, 0.1626
Android (android.graphics.Color)	4285090476 (0xFF694AAC)
YUV	94.4410, 38.2366, 9.2602
Hunter-Lab	32.9839, 27.3553, -49.3542

Details

The XYZ color **15.7209, 10.8794, 40.3011** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **26.9730, 35.6623, 11.9407**, and the grayscale version is **10.6585, 11.2136, 12.2116**.

A 20% lighter version of the original color is **35.7084, 27.4903, 76.8229**, and **5.1103, 2.8662, 17.7367** is the 20% darker color. If you saturate the color by 10%, you get **13.4387, 8.2252, 39.9093**, and if you desaturate by 10%, it is **18.5090, 14.2607, 40.8070**.

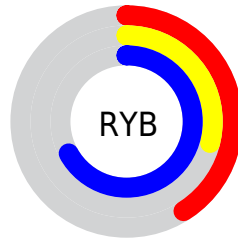
Distribution



Red (41%)

Green (29%)

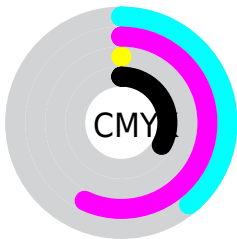
Blue (67%)



Red (41%)

Yellow (29%)

Blue (67%)

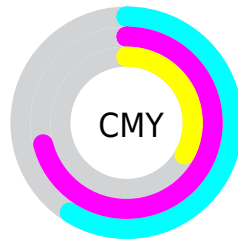


Cyan (39%)

Magenta (57%)

Yellow (0%)

Black (33%)



Cyan (59%)

Magenta (71%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7209, 10.8794, 40.3011 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 15.7209, 10.8794, 40.3011 by changing the saturation by 10% instead.

■ 15.7209, 10.8794,
40.3011

■ 15.7209, 10.8794,
40.3011

220.9920,
196.8383, 362.9808

■ 9.4165, 5.9858,
27.4578

■ 35.6744, 27.4369,
76.8639

■ 5.0731, 2.8364,
17.6819

■ 50.0541, 39.8697,
101.4205

■ 2.3254, 1.0470,
10.5548

■ 67.8563, 55.5842,
130.7186

■ 0.8076, 0.0000,
5.6579

■ 89.4464, 74.9650,
165.1768

■ 0.0000, 0.0000,
2.5728

■ 115.1896, 98.3964,
205.2135

■ 0.0000, 0.0000,
0.8784

145.4514,

■ 0.0000, 0.0000,

126.2628, 251.2474

0.0000

180.5971,

158.9487, 303.6970

■ 15.7209, 10.8794,
40.3011

■ 15.7209, 10.8794,
40.3011

■ 13.4387, 8.2252,
39.9093

■ 18.5090, 14.2607,
40.8070

■ 11.6269, 6.2403,
39.6217

■ 21.8321, 18.4183,
41.4344

■ 10.2472, 4.8598,
39.4279

■ 25.7189, 23.3984,
42.1908

■ 9.2459, 3.9901,
39.3128

■ 30.1953, 29.2431,
43.0830

■ 8.9900, 3.7743,
39.2847

■ 35.2856, 35.9918,
44.1173

■ 41.0128, 43.6811,
45.2997

■ 47.3985, 52.3459,
46.6356

■ 54.4634, 62.0190,
48.1303

■ 62.2271, 72.7319,
49.7889

Harmonies

Analogous

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



11.2659, 10.8794, 50.7189



15.7209, 10.8794, 40.3011



19.2698, 10.8794, 23.0898

Triad

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



15.7209, 10.8794, 40.3011



13.7507, 10.8794, 0.8985



4.3707, 10.8794, 14.6115

Complementary

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



15.7209, 10.8794, 40.3011



26.9730, 35.6623, 11.9407

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.



4.7101, 10.8794, 5.0142



15.7209, 10.8794, 40.3011



9.4673, 10.8794, 0.5825

Square

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



15.7209, 10.8794, 40.3011



17.9402, 10.8794, 2.8969



6.3535, 10.8794, 1.4454



5.2626, 10.8794, 30.7709

Rectangle

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



15.7209, 10.8794, 40.3011



20.2335, 10.8794, 13.2090



6.3535, 10.8794, 1.4454



4.3491, 10.8794, 10.5798

Sweetspot

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



15.7214, 10.8798, 40.3014



54.4941, 52.6769, 78.1013



20.0332, 23.9597, 42.5988



11.4865, 10.9799, 16.9016



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



15.7214, 10.8798, 40.3014



23.5707, 14.0123, 72.2681



22.9193, 14.5905, 40.6382



7.8085, 7.8756, 10.0613



6.7412, 2.8351, 29.2364



0.2450, 0.1085, 0.8160

Inverse Universe

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



24.2699, 15.5915, 26.9292



41.0187, 23.6609, 43.5459



20.5640, 32.3583, 11.6408



8.2276, 8.1043, 9.5094



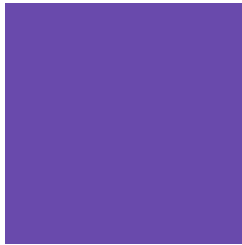
15.1016, 7.5032, 13.4463



0.4434, 0.2181, 0.4969

Previews

White Background



This preview shows how the XYZ color 15.7209, 10.8794, 40.3011 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 15.7209, 10.8794, 40.3011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

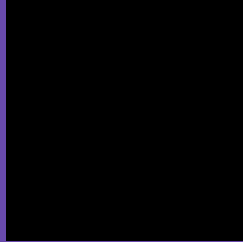
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7209, 10.8794, 40.3011

Background



This preview shows how black text looks on a background with the XYZ color 15.7209, 10.8794, 40.3011.



This preview shows how white text looks on a background with the XYZ color 15.7209, 10.8794,

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

15.7209, 10.8794, 40.3011

Protanopia

13.0071, 10.9475, 49.5716

Deuteranopia

11.0904, 10.8535, 38.0696



Tritanopia

10.3344, 10.8726, 13.6105

Trichromacy



Original Color

15.7209, 10.8794, 40.3011

Protanomaly

13.0330, 10.4377, 46.1275

Deuteranomaly

11.6083, 10.2164, 38.8963

Tritanomaly

11.8130, 10.5948, 21.1611

Monochromacy



Original Color

15.7209, 10.8794, 40.3011

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.9580, 10.8182, 19.8702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7209, 10.8794, 40.3011 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(105, 74, 172)` looks like.

```
.text, #text, p{  
    color:rgb(105, 74, 172)  
}
```

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(105, 74, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 74, 172) }
```

Border

The CSS property to change the border of an element to XYZ 15.7209, 10.8794, 40.3011 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(105, 74, 172) }
```


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

```
.border{ border-color:rgb(105, 74, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 74, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 74, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 74, 172);  
box-shadow:4px 4px 4px 4px rgb(105, 74,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7209, 10.8794, 40.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 74, 172) }
```

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

```
.background{ background-color: rgb(105, 74,  
172) }
```

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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