

Converting Colors

XYZ(15.6696, 9.8715, 35.7298)

Have a look what the booklet for
XYZ(15.6696, 9.8715, 35.7298)
contains.

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Color

**XYZ(15.6696, 9.8715,
35.7298)**

Conversions

Conversions Part 1

Format	Color
Hex	753EA3
RGB	117, 62, 163
RGB Percent	46%, 24%, 64%
CMY	0.5412, 0.7569, 0.3608
CMYK	0.28, 0.62, 0.00, 0.36
HSL	273°, 45%, 44%
HSV	273°, 62%, 64%
XYZ	15.6696, 9.8715, 35.7298
YIQ	89.9590, 0.3590, 43.0710

Conversions

Conversions Part 2

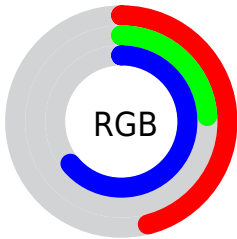
Format	Color
R_{YB}	117, 62, 163
Decimal	7683747
CIE Lab	37.61, 43.08, -45.52
CIE LCh	38, 62.673, 313.426
Yxy	9.8715, 0.2557, 0.1611
Android (android.graphics.Color)	4285873827 (0xFF753EA3)
YUV	89.9590, 36.0092, 23.7150
Hunter-Lab	31.4189, 34.0403, -45.4317

Details

The XYZ color **15.6696, 9.8715, 35.7298** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **20.1511, 29.7305, 9.2342**, and the grayscale version is **9.6313, 10.1328, 11.0347**.

A 20% lighter version of the original color is **35.5936, 25.4735, 70.0587**, and **5.0374, 2.4329, 14.9559** is the 20% darker color. If you saturate the color by 10%, you get **13.9544, 7.8632, 35.4327**, and if you desaturate by 10%, it is **17.7306, 12.4530, 36.1196**.

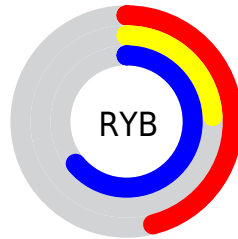
Distribution



Red (46%)

Green (24%)

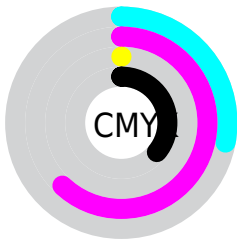
Blue (64%)



Red (46%)

Yellow (24%)

Blue (64%)

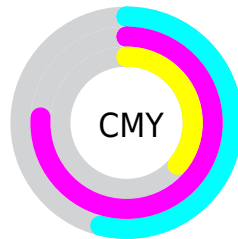


Cyan (28%)

Magenta (62%)

Yellow (0%)

Black (36%)



Cyan (54%)

Magenta (76%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6696, 9.8715, 35.7298 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 15.6696, 9.8715, 35.7298 by changing the saturation by 10% instead.

■ 15.6696, 9.8715,
35.7298

■ 15.6696, 9.8715,
35.7298

■ 220.6931,
189.7525, 342.7796

■ 9.3800, 5.3138,
23.9375

■ 35.5858, 25.5535,
69.7792

■ 5.0490, 2.4326,
15.0755

■ 49.9430, 37.4467,
92.8733

■ 2.3111, 0.8426,
8.7252

■ 67.7203, 52.5538,
120.5719

■ 0.8003, 0.0000,
4.4680

■ 89.2828, 71.2592,
153.2934

■ 0.0000, 0.0000,
1.8855

■ 114.9960, 93.9475,
191.4564

■ 0.0000, 0.0000,
0.4835

■ 145.2252,

■ 0.0000, 0.0000,

121.0028, 235.4794

0.0000

180.3358,
152.8097, 285.7810

■ 15.6696, 9.8715,
35.7298

■ 15.6696, 9.8715,
35.7298

■ 13.9544, 7.8632,
35.4327

■ 17.7306, 12.4530,
36.1196

■ 12.5572, 6.3768,
35.2195

■ 20.1595, 15.6506,
36.6088

■ 11.4476, 5.3533,
35.0804

■ 22.9777, 19.5044,
37.2041

■ 10.7081, 4.7566,
35.0042

■ 26.2046, 24.0504,
37.9115

■ 29.8582, 29.3222,
38.7365

■ 33.9552, 35.3511,
39.6843

■ 38.5114, 42.1665,
40.7596

■ 43.5420, 49.7962,
41.9672

■ 49.0611, 58.2667,
43.3113

Harmonies

Analogous

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



11.2691, 9.8715, 49.1229



15.6696, 9.8715, 35.7298



18.7663, 9.8715, 18.2691

Triad

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



15.6696, 9.8715, 35.7298



11.7330, 9.8715, 0.3340



3.7437, 9.8715, 16.6660

Complementary

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



15.6696, 9.8715, 35.7298



20.1511, 29.7305, 9.2342

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.



3.8028, 9.8715, 5.6402



15.6696, 9.8715, 35.7298



7.7193, 9.8715, 0.2717

Square

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



15.6696, 9.8715, 35.7298



16.0907, 9.8715, 1.6358



5.0523, 9.8715, 1.4054



4.8586, 9.8715, 33.8713

Rectangle

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



15.6696, 9.8715, 35.7298



19.2523, 9.8715, 9.4940



5.0523, 9.8715, 1.4054



3.6390, 9.8715, 12.1086

Sweetspot

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



15.6700, 9.8719, 35.7300



48.5630, 45.4084, 68.2613



14.0806, 14.6345, 36.7331



10.5231, 9.6493, 15.2454



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.



15.6700, 9.8719, 35.7300



24.0762, 13.0742, 63.3107



23.1402, 13.7573, 34.5257



7.0517, 7.0410, 8.8905



8.3750, 3.7240, 27.2072



0.2296, 0.1059, 0.5742

Inverse Universe

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



19.5338, 12.3147, 15.5348



32.2073, 18.1959, 21.6752



16.0488, 27.6046, 9.5395



7.2016, 7.1371, 8.0482



12.7280, 6.4473, 5.7584



0.2912, 0.1450, 0.2461

Previews

White Background



This preview shows how the XYZ color 15.6696, 9.8715, 35.7298 looks on a white background.

Color Contrast Check

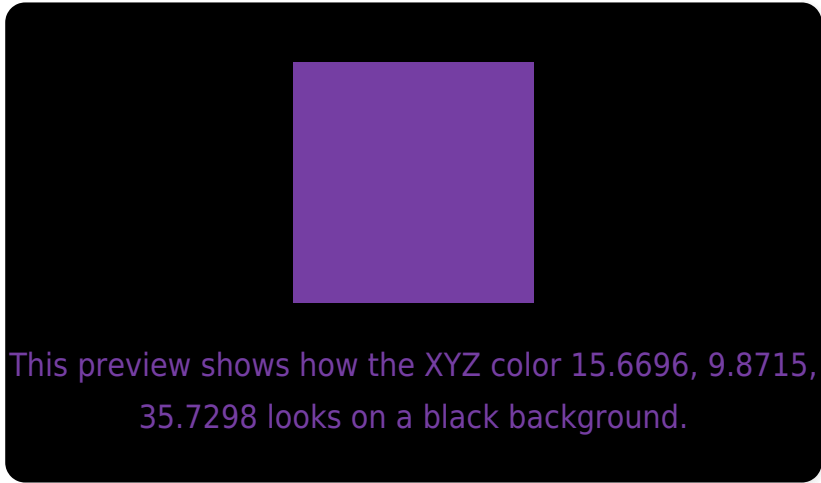
Large Text (above 18pt) WCAG AA ✓ Pass

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

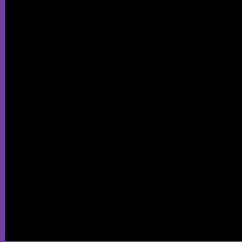
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6696, 9.8715, 35.7298

Background



This preview shows how black text looks on a background with the XYZ color 15.6696, 9.8715, 35.7298.



This preview shows how white text looks on a background with the XYZ color 15.6696, 9.8715,

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

15.6696, 9.8715, 35.7298

Protanopia

11.7713, 10.0330, 45.5721

Deuteranopia

10.1940, 9.9797, 33.2873



Tritanopia

10.6476, 9.8678, 11.0163

Trichromacy



Original Color

15.6696, 9.8715, 35.7298

Protanomaly

11.3880, 8.9165, 41.6783

Deuteranomaly

10.9901, 9.2012, 33.9977

Tritanomaly

12.0336, 9.5677, 18.0421

Monochromacy



Original Color

15.6696, 9.8715, 35.7298

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.3351, 9.7310, 18.1105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6696, 9.8715, 35.7298 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(117, 62, 163)` looks like.

```
.text, #text, p{  
    color:rgb(117, 62, 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(117, 62, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 62, 163) }
```

Border

The CSS property to change the border of an element to XYZ 15.6696, 9.8715, 35.7298 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(117, 62, 163) }
```


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

```
.border{ border-color:rgb(117, 62, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 62, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 62, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 62, 163);  
box-shadow:4px 4px 4px 4px rgb(117, 62,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6696, 9.8715, 35.7298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 62, 163) }
```

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

```
.background{ background-color: rgb(117, 62,  
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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