

Converting Colors

XYZ(15.8617, 10.8287, 32.7066)

Have a look what the booklet for
XYZ(15.8617, 10.8287, 32.7066)
contains.

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Color

**XYZ(15.8617, 10.8287,
32.7066)**

Conversions

Conversions Part 1

Format	Color
Hex	77479C
RGB	119, 71, 156
RGB Percent	47%, 28%, 61%
CMY	0.5333, 0.7216, 0.3882
CMYK	0.24, 0.54, 0.00, 0.39
HSL	274°, 37%, 45%
HSV	274°, 54%, 61%
XYZ	15.8617, 10.8287, 32.7066
YIQ	95.0420, 1.3230, 36.6110

Conversions

Conversions Part 2

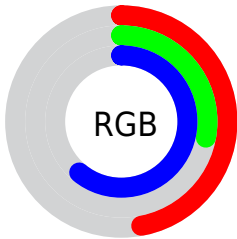
Format	Color
R_{YB}	119, 71, 156
Decimal	7817116
CIE _{Lab}	39.29, 36.96, -38.62
CIE _{LCh}	39, 53.452, 313.744
Yxy	10.8287, 0.2670, 0.1823
Android (android.graphics.Color)	4286007196 (0xFF77479C)
YUV	95.0420, 30.0523, 21.0112
Hunter-Lab	32.9070, 28.4526, -35.8941

Details

The XYZ color **15.8617, 10.8287, 32.7066** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **19.2104, 27.4202, 10.2417**, and the grayscale version is **10.8178, 11.3811, 12.3940**.

A 20% lighter version of the original color is **35.8288, 27.2621, 65.0017**, and **5.1198, 2.8056, 13.3684** is the 20% darker color. If you saturate the color by 10%, you get **14.0951, 8.6297, 32.3754**, and if you desaturate by 10%, it is **17.9504, 13.5723, 33.1263**.

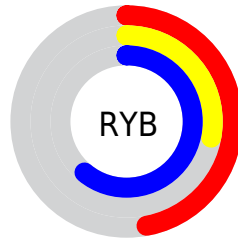
Distribution



Red (47%)

Green (28%)

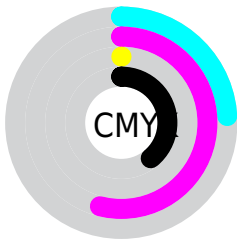
Blue (61%)



Red (47%)

Yellow (28%)

Blue (61%)

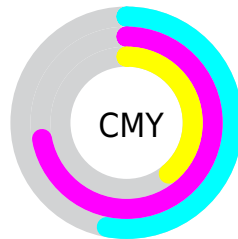


Cyan (24%)

Magenta (54%)

Yellow (0%)

Black (39%)



Cyan (53%)

Magenta (72%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8617, 10.8287, 32.7066 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 15.8617, 10.8287, 32.7066 by changing the saturation by 10% instead.

■ 15.8617, 10.8287,
32.7066

■ 15.8617, 10.8287,
32.7066

221.8107,
196.4885, 328.9170

■ 9.5166, 5.9518,
21.6325

■ 35.9173, 27.3430,
65.0279

■ 5.1394, 2.8158,
13.3914

■ 50.3585, 39.7491,
87.1122

■ 2.3649, 1.0363,
7.5647

■ 68.2292, 55.4337,
113.7036

■ 0.8276, 0.0000,
3.7340

■ 89.8945, 74.7813,
145.2208

■ 0.0000, 0.0000,
1.4806

■ 115.7200, 98.1761,
182.0821

■ 0.0000, 0.0000,
0.2034

146.0710,

■ 0.0000, 0.0000,

126.0027, 224.7062

0.0000

181.3128,
158.6454, 273.5117

■ 15.8617, 10.8287,
32.7066

■ 15.8617, 10.8287,
32.7066

■ 14.0951, 8.6297,
32.3754

■ 17.9504, 13.5723,
33.1263

■ 12.6281, 6.9334,
32.1253

■ 20.3792, 16.8955,
33.6397

■ 11.4369, 5.6938,
31.9489

■ 23.1658, 20.8318,
34.2526

■ 10.4918, 4.8541,
31.8366

■ 26.3267, 25.4118,
34.9700

■ 10.0343, 4.4797,
31.7884

■ 29.8768, 30.6638,
35.7967

■ 33.8305, 36.6147,
36.7369

■ 38.2013, 43.2896,
37.7950

■ 43.0019, 50.7126,
38.9747

■ 48.2447, 58.9064,
40.2799

Harmonies

Analogous

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



12.0269, 10.8287, 43.4541



15.8617, 10.8287, 32.7066



18.4750, 10.8287, 18.2595

Triad

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



15.8617, 10.8287, 32.7066



12.3552, 10.8287, 1.1605



4.9245, 10.8287, 17.1584

Complementary

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



15.8617, 10.8287, 32.7066



19.2104, 27.4202, 10.2417

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.



4.9728, 10.8287, 7.0646



15.8617, 10.8287, 32.7066



8.7331, 10.8287, 1.1132

Square

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



15.8617, 10.8287, 32.7066



16.1498, 10.8287, 2.7067



6.2082, 10.8287, 2.4827



6.0562, 10.8287, 31.5080

Rectangle

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



15.8617, 10.8287, 32.7066



18.8648, 10.8287, 10.5423



6.2082, 10.8287, 2.4827



4.8131, 10.8287, 13.1338

Sweetspot

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



15.8621, 10.8291, 32.7068



46.7134, 44.5421, 63.2622



14.0950, 14.7310, 33.5531



10.0340, 9.4445, 13.8645



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.8621, 10.8291, 32.7068



25.0819, 15.0539, 58.7105



21.6108, 13.8335, 31.1298



6.6251, 6.6107, 8.3335



8.3054, 3.7106, 26.1857



0.1965, 0.0911, 0.4705

Inverse Universe

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



18.6706, 12.6574, 15.6467



31.1510, 18.9830, 22.8327



15.7659, 25.6282, 10.8177



6.7470, 6.6917, 7.5186



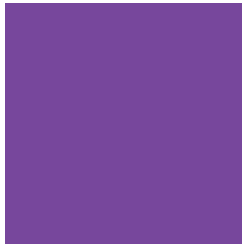
12.1670, 6.1714, 5.1303



0.2384, 0.1187, 0.2016

Previews

White Background



This preview shows how the XYZ color 15.8617, 10.8287, 32.7066 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 15.8617, 10.8287, 32.7066 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 15.8617, 10.8287, 32.7066

Background



This preview shows how black text looks on a background with the XYZ color 15.8617, 10.8287, 32.7066.



This preview shows how white text looks on a background with the XYZ color 15.8617, 10.8287,

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

15.8617, 10.8287, 32.7066

Protanopia

12.5663, 11.0118, 42.0206

Deuteranopia

11.2692, 10.9656, 31.2284



Tritanopia

11.6129, 10.8127, 12.0647

Trichromacy



Original Color

15.8617, 10.8287, 32.7066

Protanomaly

12.9088, 10.4301, 38.3786

Deuteranomaly

12.3065, 10.5024, 31.5155

Tritanomaly

12.8354, 10.6140, 18.2018

Monochromacy



Original Color

15.8617, 10.8287, 32.7066

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.2476, 10.8830, 18.2847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8617, 10.8287, 32.7066 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, 71, 156)` looks like.

```
.text, #text, p{  
    color:rgb(119, 71, 156)  
}
```

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, 71, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 71, 156) }
```

Border

The CSS property to change the border of an element to XYZ 15.8617, 10.8287, 32.7066 is called "border". The border property can be set on classes, ids or directly on the HTML element.

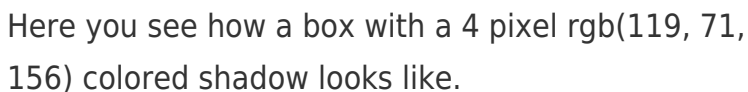
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 71, 156) }
```


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

```
.border{ border-color:rgb(119, 71, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 71, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 71, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 71, 156);  
box-shadow:4px 4px 4px 4px rgb(119, 71,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8617, 10.8287, 32.7066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 71, 156) }
```

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

```
.background{ background-color: rgb(119, 71,  
156) }
```

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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