

Converting Colors

XYZ(15.7503, 7.6038, 42.2330)

Have a look what the booklet for
XYZ(15.7503, 7.6038, 42.2330)
contains.

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Color

**XYZ(15.8117, 7.6326,
42.2348)**

Conversions

Conversions Part 1

Format	Color
Hex	7715B1
RGB	119, 21, 177
RGB Percent	47%, 8%, 69%
CMY	0.5333, 0.9176, 0.3059
CMYK	0.33, 0.88, 0.00, 0.31
HSL	278°, 79%, 39%
HSV	278°, 88%, 69%
XYZ	15.8117, 7.6326, 42.2348
YIQ	68.0860, 8.3320, 69.2920

Conversions

Conversions Part 2

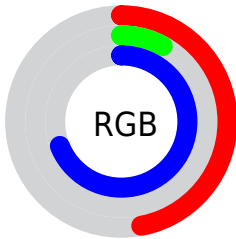
Format	Color
R _{YB}	119, 21, 177
Decimal	7804337
CIE Lab	33.21, 62.90, -61.02
CIE LCh	33, 87.633, 315.867
Yxy	7.6326, 0.2407, 0.1162
Android (android.graphics.Color)	4285994417 (0xFF7715B1)
YUV	68.0860, 53.6946, 44.6516
Hunter-Lab	27.6272, 53.8124, -71.3001

Details

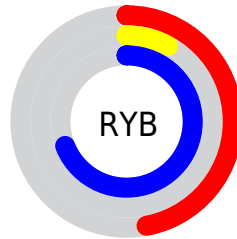
The XYZ color **15.8117, 7.6326, 42.2348** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **19.0820, 33.1608, 6.1045**, and the grayscale version is **5.4243, 5.7068, 6.2147**.

A 20% lighter version of the original color is **35.7731, 21.2052, 80.0495**, and **5.5618, 2.4542, 18.9195** is the 20% darker color. If you saturate the color by 10%, you get **14.7076, 6.7185, 42.1167**, and if you desaturate by 10%, it is **17.1944, 9.0099, 42.4279**.

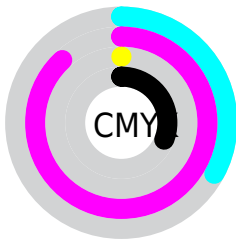
Distribution



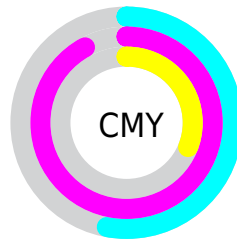
- Red (47%)
- Green (8%)
- Blue (69%)



- Red (47%)
- Yellow (8%)
- Blue (69%)



- Cyan (33%)
- Magenta (88%)
- Yellow (0%)
- Black (31%)



- Cyan (53%)
- Magenta (92%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8117, 7.6326, 42.2348 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 15.8117, 7.6326, 42.2348 by changing the saturation by 10% instead.

■ 15.8117, 7.6326,
42.2348

■ 15.8117, 7.6326,
42.2348

■ 221.5203,
172.8213, 371.2837

■ 9.4810, 3.8608,
28.9582

■ 35.8311, 21.2350,
79.8288

■ 5.1158, 1.5960,
18.8039

■ 50.2505, 31.8343,
104.9833

■ 2.3508, 0.3549,
11.3533

■ 68.0969, 45.4783,
134.9342

■ 0.8205, 0.0000,
6.1879

■ 89.7355, 62.5513,
170.1001

■ 0.0000, 0.0000,
2.8890

■ 115.5318, 83.4376,
210.8994

■ 0.0000, 0.0000,
1.0382

■ 145.8512,

■ 0.0000, 0.0000,

108.5219, 257.7507

0.0000

181.0589,
138.1883, 311.0727

15.8117, 7.6326,
42.2348

15.8117, 7.6326,
42.2348

14.7076, 6.7185,
42.1167

17.1944, 9.0099,
42.4279

14.5158, 6.5664,
42.0975

18.9109, 10.9606,
42.7140

20.9963, 13.5525,
43.1044

23.4803, 16.8437,
43.6087

26.3894, 20.8854,
44.2355

■ 29.7477, 25.7239,
44.9924

■ 33.5773, 31.4018,
45.8865

■ 37.8985, 37.9586,
46.9244

■ 42.7307, 45.4311,
48.1120

Harmonies

Analogous

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



10.0013, 7.6326, 65.8486



15.8117, 7.6326, 42.2348



19.9353, 7.6326, 16.3185

Triad

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



15.8117, 7.6326, 42.2348



9.6793, 7.6326, 0.0000



1.5871, 7.6326, 17.5273

Complementary

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



15.8117, 7.6326, 42.2348



19.0820, 33.1608, 6.1045

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.



1.5617, 7.6326, 3.4749



15.8117, 7.6326, 42.2348



5.0633, 7.6326, 0.0000

Square

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



15.8117, 7.6326, 42.2348



15.4905, 7.6326, 0.0000



2.5253, 7.6326, 0.0000



2.6217, 7.6326, 43.8843

Rectangle

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



15.8117, 7.6326, 42.2348



20.3802, 7.6326, 5.9464



2.5253, 7.6326, 0.0000



1.4822, 7.6326, 11.2307

Sweetspot

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



15.8121, 7.6329, 42.2350



54.3760, 47.6818, 80.8329



11.1728, 9.1892, 42.7799



11.3147, 9.6467, 17.4100



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.8121, 7.6329, 42.2350



25.7450, 11.6302, 75.3832



24.6404, 12.3798, 33.8010



8.5377, 8.4857, 10.6942



10.5859, 4.7930, 30.5042



0.3949, 0.1827, 0.9627

Inverse Universe

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



19.8110, 10.4481, 8.3697



34.1255, 17.4014, 10.2224



16.4011, 31.7517, 7.2013



8.6227, 8.5558, 9.5114



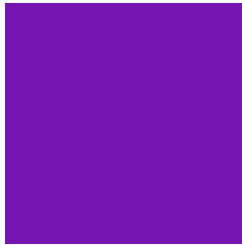
13.8725, 7.0665, 4.4885



0.4653, 0.2339, 0.2929

Previews

White Background



This preview shows how the XYZ color 15.8117, 7.6326, 42.2348 looks on a white background.

Color Contrast Check

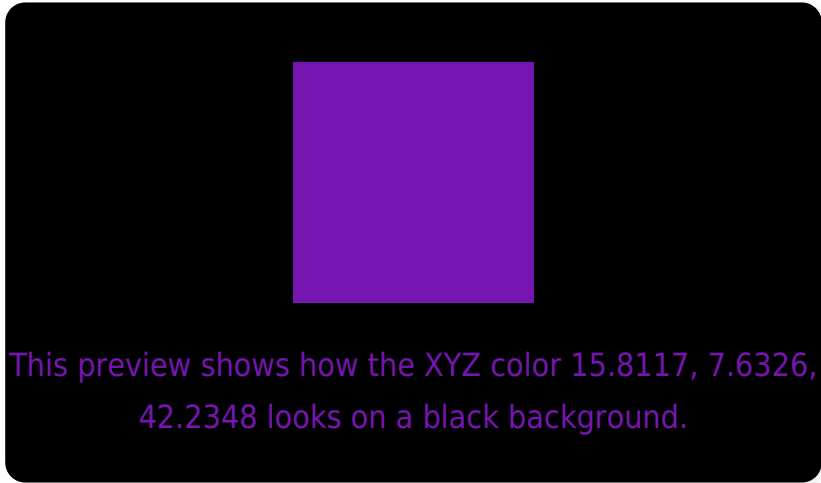
Large Text (above 18pt) WCAG AA ✓ Pass

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

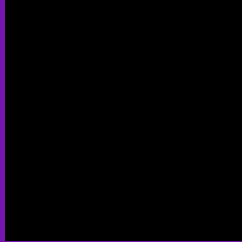
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8117, 7.6326, 42.2348

Background



This preview shows how black text looks on a background with the XYZ color 15.8117, 7.6326, 42.2348.



This preview shows how white text looks on a background with the XYZ color 15.8117, 7.6326, 42.2348.

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

15.8117, 7.6326, 42.2348

Protanopia

9.0869, 7.8810, 34.7605

Deuteranopia

7.6761, 7.7783, 25.9077



Tritanopia

8.9246, 7.7950, 7.8717

Trichromacy



Original Color

15.8117, 7.6326, 42.2348



Protanomaly

9.4344, 6.2299, 37.2645



Deuteranomaly

8.3100, 5.9414, 30.8458



Tritanomaly

10.4381, 6.9266, 16.4096

Monochromacy



Original Color

15.8117, 7.6326, 42.2348



Achromatopsia

5.4944, 5.7805, 6.2950



Achromatomaly

7.8211, 5.4766, 14.8322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8117, 7.6326, 42.2348 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, 21, 177)` looks like.

```
.text, #text, p{  
    color:rgb(119, 21, 177)  
}
```

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, 21, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 21, 177) }
```

Border

The CSS property to change the border of an element to XYZ 15.8117, 7.6326, 42.2348 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, 21, 177) }
```


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

```
.border{ border-color:rgb(119, 21, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 21, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 21, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 21, 177);  
box-shadow:4px 4px 4px 4px rgb(119, 21,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8117, 7.6326, 42.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 21, 177) }
```

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

```
.background{ background-color: rgb(119, 21,  
177) }
```

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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