

Converting Colors

XYZ(15.7405, 9.5603, 35.4711)

Have a look what the booklet for
XYZ(15.7405, 9.5603, 35.4711)
contains.

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Color

**XYZ(15.8197, 9.5637,
35.6625)**

Conversions

Conversions Part 1

Format	Color
Hex	7839A3
RGB	120, 57, 163
RGB Percent	47%, 22%, 64%
CMY	0.5294, 0.7765, 0.3608
CMYK	0.26, 0.65, 0.00, 0.36
HSL	276°, 48%, 43%
HSV	276°, 65%, 64%
XYZ	15.8197, 9.5637, 35.6625
YIQ	87.9210, 3.5220, 46.3220

Conversions

Conversions Part 2

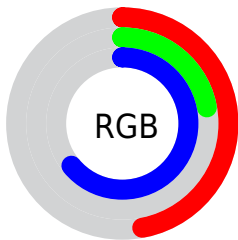
Format	Color
R_{YB}	120, 57, 163
Decimal	7879075
CIE Lab	37.05, 46.38, -46.40
CIE LCh	37, 65.608, 314.988
Yxy	9.5637, 0.2591, 0.1567
Android (android.graphics.Color)	4286069155 (0xFF7839A3)
YUV	87.9210, 37.0139, 28.1333
Hunter-Lab	30.9252, 37.1919, -46.7246

Details

The XYZ color **15.8197, 9.5637, 35.6625** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **19.0915, 29.1993, 8.5010**, and the grayscale version is **9.1804, 9.6585, 10.5181**.

A 20% lighter version of the original color is **35.8279, 24.9536, 69.9460**, and **5.1292, 2.3191, 14.9291** is the 20% darker color. If you saturate the color by 10%, you get **14.2539, 7.7463, 35.3944**, and if you desaturate by 10%, it is **17.7084, 11.9317, 36.0202**.

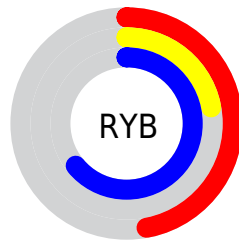
Distribution



Red (47%)

Green (22%)

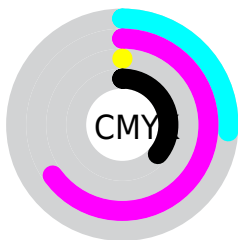
Blue (64%)



Red (47%)

Yellow (22%)

Blue (64%)

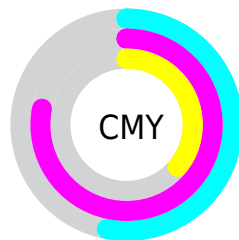


Cyan (26%)

Magenta (65%)

Yellow (0%)

Black (36%)



Cyan (53%)

Magenta (78%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8197, 9.5637, 35.6625 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 15.8197, 9.5637, 35.6625 by changing the saturation by 10% instead.

■ 15.8197, 9.5637,
35.6625

■ 15.8197, 9.5637,
35.6625

■ 221.5668,
187.5291, 342.4757

■ 9.4867, 5.1107,
23.8860

■ 35.8449, 24.9716,
69.6740

■ 5.1196, 2.3123,
15.0377

■ 50.2678, 36.6952,
92.7461

■ 2.3531, 0.7802,
8.6989

■ 68.1180, 51.6111,
120.4205

■ 0.8216, 0.0000,
4.4512

■ 89.7610, 70.1037,
153.1157

■ 0.0000, 0.0000,
1.8760

■ 115.5620, 92.5574,
191.2503

■ 0.0000, 0.0000,
0.4774

■ 145.8864,

■ 0.0000, 0.0000,

119.3567, 235.2428

0.0000

181.0995,
150.8858, 285.5117

■ 15.8197, 9.5637,
35.6625

■ 15.8197, 9.5637,
35.6625

■ 14.2539, 7.7463,
35.3944

■ 17.7084, 11.9317,
36.0202

■ 12.9826, 6.4264,
35.2066

■ 19.9422, 14.8948,
36.4744

■ 11.9727, 5.5390,
35.0886

■ 22.5429, 18.4938,
37.0320

■ 11.5277, 5.1791,
35.0426

■ 25.5297, 22.7656,
37.6991

■ 28.9204, 27.7443,
38.4814

■ 32.7317, 33.4616,
39.3841

■ 36.9794, 39.9471,
40.4120

■ 41.6781, 47.2289,
41.5699

■ 46.8421, 55.3337,
42.8621

Harmonies

Analogous

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



11.2675, 9.5637, 50.5240



15.8197, 9.5637, 35.6625



18.9356, 9.5637, 17.3628

Triad

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



15.8197, 9.5637, 35.6625



11.2711, 9.5637, 0.0354



3.4330, 9.5637, 17.3504

Complementary

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



15.8197, 9.5637, 35.6625



19.0915, 29.1993, 8.5010

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.



3.4334, 9.5637, 5.6206



15.8197, 9.5637, 35.6625



7.2128, 9.5637, 0.0349

Square

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



15.8197, 9.5637, 35.6625



15.8230, 9.5637, 1.2468



4.6045, 9.5637, 1.2452



4.6031, 9.5637, 35.6478

Rectangle

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



15.8197, 9.5637, 35.6625



19.3254, 9.5637, 8.5837



4.6045, 9.5637, 1.2452



3.3109, 9.5637, 12.4858

Sweetspot

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



15.8201, 9.5641, 35.6627



48.4583, 44.7637, 68.1424



12.9684, 12.8544, 36.4481



10.5260, 9.5310, 15.2224



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.



15.8201, 9.5641, 35.6627



24.4597, 12.7249, 63.2231



22.4143, 13.0517, 31.9828



7.0851, 7.0582, 8.8920



9.0115, 4.0521, 27.2369



0.2409, 0.1117, 0.5747

Inverse Universe

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



18.8679, 11.6332, 13.3079



31.0604, 17.1476, 17.4529



15.7633, 27.4558, 9.5976



7.1873, 7.1314, 7.9727



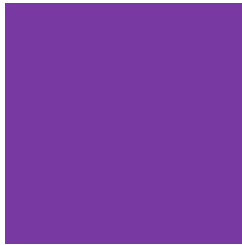
12.5273, 6.3670, 4.7012



0.2863, 0.1430, 0.2204

Previews

White Background



This preview shows how the XYZ color 15.8197, 9.5637, 35.6625 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



This preview shows how the XYZ color 15.8197, 9.5637, 35.6625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

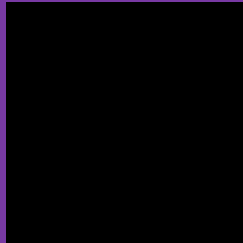
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8197, 9.5637, 35.6625

Background



This preview shows how black text looks on a background with the XYZ color 15.8197, 9.5637, 35.6625.



This preview shows how white text looks on a background with the XYZ color 15.8197, 9.5637,

35.6625.

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

15.8197, 9.5637, 35.6625

Protanopia

11.3070, 9.5953, 43.9040

Deuteranopia

9.9467, 9.7278, 33.2517



Tritanopia

10.6524, 9.5512, 10.2990

Trichromacy



Original Color

15.8197, 9.5637, 35.6625

Protanomaly

11.0303, 8.4502, 40.5848

Deuteranomaly

10.5428, 8.6517, 33.9152

Tritanomaly

12.0940, 9.3173, 17.3806

Monochromacy



Original Color

15.8197, 9.5637, 35.6625

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

11.0039, 9.2549, 17.4261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8197, 9.5637, 35.6625 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(120, 57, 163)` looks like.

```
.text, #text, p{  
    color:rgb(120, 57, 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(120, 57, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 57, 163) }
```

Border

The CSS property to change the border of an element to XYZ 15.8197, 9.5637, 35.6625 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(120, 57, 163) }
```


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

```
.border{ border-color:rgb(120, 57, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 57, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 57, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 57, 163);  
box-shadow:4px 4px 4px 4px rgb(120, 57,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8197, 9.5637, 35.6625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 57, 163) }
```

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

```
.background{ background-color: rgb(120, 57,  
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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