

Converting Colors

XYZ(15.6608, 7.4101, 31.8078)

Have a look what the booklet for
XYZ(15.6608, 7.4101, 31.8078)
contains.

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Color

**XYZ(15.6110, 7.3965,
31.6152)**

Conversions

Conversions Part 1

Format	Color
Hex	85029B
RGB	133, 2, 155
RGB Percent	52%, 1%, 61%
CMY	0.4784, 0.9921, 0.3922
CMYK	0.14, 0.99, 0.00, 0.39
HSL	291°, 97%, 31%
HSV	291°, 99%, 61%
XYZ	15.6110, 7.3965, 31.6152
YIQ	58.6110, 28.9630, 75.3550

Conversions

Conversions Part 2

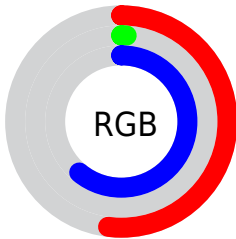
Format	Color
RYB	133, 2, 155
Decimal	8716955
CIELab	32.69, 63.94, -48.48
CIELCh	33, 80.241, 322.827
Yxy	7.3965, 0.2858, 0.1354
Android (android.graphics.Color)	4286907035 (0xFF85029B)
YUV	58.6110, 47.5198, 65.2392
Hunter-Lab	27.1965, 54.8665, -49.8855

Details

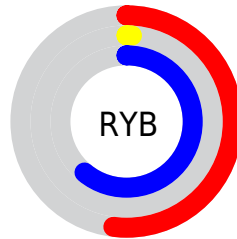
The XYZ color **15.6110, 7.3965, 31.6152** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.1092, 23.6414, 3.9826**, and the grayscale version is **4.0397, 4.2501, 4.6283**.

A 20% lighter version of the original color is **35.4525, 20.7692, 63.1131**, and **5.5901, 2.5990, 13.0390** is the 20% darker color. If you saturate the color by 10%, you get **15.5441, 7.3298, 31.6060**, and if you desaturate by 10%, it is **16.1536, 7.9534, 31.6942**.

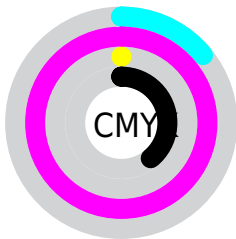
Distribution



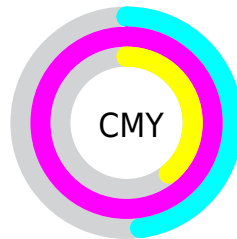
- Red (52%)
- Green (1%)
- Blue (61%)



- Red (52%)
- Yellow (1%)
- Blue (61%)



- Cyan (14%)
- Magenta (99%)
- Yellow (0%)
- Black (39%)



- Cyan (48%)
- Magenta (99%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6110, 7.3965, 31.6152 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 15.6110, 7.3965, 31.6152 by changing the saturation by 10% instead.

■ 15.6110, 7.3965,
31.6152

■ 15.6110, 7.3965,
31.6152

220.3510,
170.9188, 323.8012

■ 9.3384, 3.7113,
20.8054

■ 35.4845, 20.7665,
63.2982

■ 5.0214, 1.5134,
12.7920

■ 49.8161, 31.2201,
85.0085

■ 2.2947, 0.2981,
7.1564

■ 67.5647, 44.6987,
111.1894

■ 0.7920, 0.0000,
3.4802

■ 89.0958, 61.5865,
142.2594

■ 0.0000, 0.0000,
1.3447

■ 114.7746, 82.2680,
178.6370

■ 0.0000, 0.0000,
0.0980

■ 144.9665,

■ 0.0000, 0.0000,

107.1277, 220.7408

0.0000

180.0368,
136.5498, 268.9893

15.6110, 7.3965,
31.6152

15.6110, 7.3965,
31.6152

15.5441, 7.3298,
31.6060

16.1536, 7.9534,
31.6942

16.8524, 8.8119,
31.8231

17.7569, 10.0705,
32.0183

18.8912, 11.7775,
32.2880

20.2760, 13.9742,
32.6391

■ 21.9298, 16.6974,
33.0775

■ 23.8692, 19.9802,
33.6090

■ 26.1093, 23.8530,
34.2384

■ 28.6643, 28.3441,
34.9706

Harmonies

Analogous

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



10.6452, 7.3965, 53.5920



15.6110, 7.3965, 31.6152



18.4485, 7.3965, 11.2946

Triad

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



15.6110, 7.3965, 31.6152



8.0857, 7.3965, 0.0000



1.9096, 7.3965, 20.7448

Complementary

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



15.6110, 7.3965, 31.6152



12.1092, 23.6414, 3.9826

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.



1.6810, 7.3965, 5.5006



15.6110, 7.3965, 31.6152



4.3430, 7.3965, 0.0000

Square

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



15.6110, 7.3965, 31.6152



13.1141, 7.3965, 0.0000



2.3638, 7.3965, 0.5512



3.1970, 7.3965, 44.0248

Rectangle

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



15.6110, 7.3965, 31.6152



18.1869, 7.3965, 3.9377



2.3638, 7.3965, 0.5512



1.7348, 7.3965, 14.3452

Sweetspot

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



15.6113, 7.3968, 31.6154



42.0540, 34.5984, 59.9980



6.2882, 3.0729, 31.2721



9.2047, 7.2982, 13.4939



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.



15.6113, 7.3968, 31.6154



27.7154, 13.0638, 56.5971



15.9106, 7.9606, 13.1264



6.3739, 6.2786, 7.8049



12.5095, 5.8999, 25.3872



0.2080, 0.0990, 0.3805

Inverse Universe

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



13.7043, 7.0781, 1.5083



24.4299, 12.5685, 2.2985



12.4494, 23.7369, 7.6100



6.2432, 6.2364, 6.6608



10.9851, 5.6483, 1.1808



0.1724, 0.0877, 0.0605

Previews

White Background



This preview shows how the XYZ color 15.6110, 7.3965, 31.6152 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

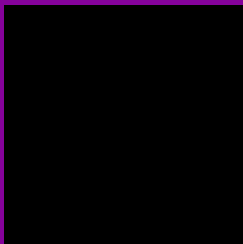
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6110, 7.3965, 31.6152

Background



This preview shows how black text looks on a background with the XYZ color 15.6110, 7.3965, 31.6152.



This preview shows how white text looks on a background with the XYZ color 15.6110, 7.3965,

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

15.6110, 7.3965, 31.6152

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.9004, 7.8680, 27.0889



Tritanopia

10.5080, 7.7841, 5.9497

Trichromacy



Original Color

15.6110, 7.3965, 31.6152

Protanomaly

8.6175, 5.4128, 33.3915

Deuteranomaly

7.7134, 5.1909, 28.1992

Tritanomaly

11.4208, 6.7594, 12.2580

Monochromacy



Original Color

15.6110, 7.3965, 31.6152

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.5512, 4.1728, 11.0498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6110, 7.3965, 31.6152 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(133, 2, 155)` looks like.

```
.text, #text, p{  
    color:rgb(133, 2, 155)  
}
```

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(133, 2, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 2, 155) }
```

Border

The CSS property to change the border of an element to XYZ 15.6110, 7.3965, 31.6152 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(133, 2, 155) }
```


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

```
.border{ border-color:rgb(133, 2, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 2, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 2, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 2, 155);  
box-shadow:4px 4px 4px 4px rgb(133, 2,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6110, 7.3965, 31.6152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 2, 155) }
```

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

```
.background{ background-color: rgb(133, 2,  
155) }
```

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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