

Converting Colors

XYZ(15.6991, 8.6699, 7.6835)

Have a look what the booklet for
XYZ(15.6991, 8.6699, 7.6835)
contains.

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Color

**XYZ(15.6991, 8.6699,
7.6835)**

Conversions

Conversions Part 1

Format	Color
Hex	9D1F4C
RGB	157, 31, 76
RGB Percent	62%, 12%, 30%
CMY	0.3843, 0.8784, 0.7020
CMYK	0.00, 0.80, 0.52, 0.38
HSL	339°, 67%, 37%
HSV	339°, 80%, 62%
XYZ	15.6991, 8.6699, 7.6835
YIQ	73.8040, 60.6510, 40.7070

Conversions

Conversions Part 2

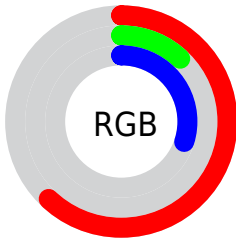
Format	Color
RYB	157, 31, 76
Decimal	10297164
CIELab	35.34, 53.04, 5.87
CIElCh	35, 53.363, 6.317
Yxy	8.6699, 0.4898, 0.2705
Android (android.graphics.Color)	4288487244 (0xFF9D1F4C)
YUV	73.8040, 1.0826, 72.9629
Hunter-Lab	29.4447, 43.6431, 5.1397

Details

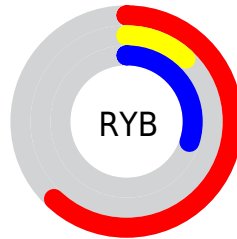
The XYZ color **15.6991, 8.6699, 7.6835** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.5475, 25.5753, 19.4493**, and the grayscale version is **6.4657, 6.8024, 7.4078**.

A 20% lighter version of the original color is **35.5930, 23.2244, 22.0088**, and **5.5300, 2.8191, 1.6915** is the 20% darker color. If you saturate the color by 10%, you get **15.0604, 7.9108, 5.8730**, and if you desaturate by 10%, it is **16.5930, 9.8514, 9.8509**.

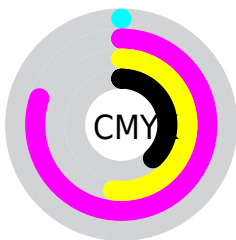
Distribution



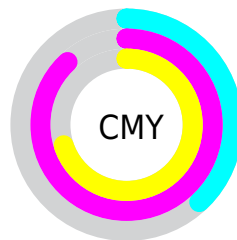
- Red (62%)
- Green (12%)
- Blue (30%)



- Red (62%)
- Yellow (12%)
- Blue (30%)



- Cyan (0%)
- Magenta (80%)
- Yellow (52%)
- Black (38%)




- Cyan (38%)
- Magenta (88%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.6991, 8.6699, 7.6835 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 15.6991, 8.6699, 7.6835 by changing the saturation by 10% instead.


 15.6991, 8.6699,
7.6835


 15.6991, 8.6699,
7.6835


220.8650,
180.8959, 183.0689


 9.4010, 4.5265,
3.8082


 35.6367, 23.2616,
21.8714


 5.0628, 1.9722,
1.5207

 50.0069, 34.4787,
33.0212


 2.3193, 0.5913,
0.2333

 67.7985, 48.8226,
47.4329

 0.8045, 0.0000,
0.0000

 89.3769, 66.6775,
65.5250

 0.0000, 0.0000,
0.0000

 115.1074, 88.4279,
87.7162

 145.3553,

114.4581, 114.4248

180.4861,
145.1527, 146.0696

■ 15.6991, 8.6699,
7.6835

■ 15.6991, 8.6699,
7.6835

■ 15.0604, 7.9108,
5.8730

■ 16.5930, 9.8514,
9.8509

■ 14.6199, 7.4542,
4.4177

■ 17.7696, 11.5061,
12.3960

■ 19.2530, 13.6791,
15.3380

■ 21.0647, 16.4095,
18.6947

■ 23.2240, 19.7331,
22.4824

■ 25.7488, 23.6823,
26.7166

■ 28.6557, 28.2872,
31.4120

■ 31.9601, 33.5762,
36.5826

■ 35.6768, 39.5756,
42.2417

Harmonies

Analogous

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



14.9940, 8.6699, 18.0925



15.6991, 8.6699, 7.6835



14.0375, 8.6699, 2.5092

Triad

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



15.6991, 8.6699, 7.6835



5.1901, 8.6699, 1.2838



6.0704, 8.6699, 35.2947

Complementary

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



15.6991, 8.6699, 7.6835



15.5475, 25.5753, 19.4493

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.



4.3100, 8.6699, 23.5909



15.6991, 8.6699, 7.6835



3.8981, 8.6699, 4.1089

Square

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



15.6991, 8.6699, 7.6835



7.6019, 8.6699, 0.5519



3.6220, 8.6699, 11.4458



8.9139, 8.6699, 38.6073

Rectangle

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



15.6991, 8.6699, 7.6835



12.0085, 8.6699, 1.1685



3.6220, 8.6699, 11.4458



5.3568, 8.6699, 31.9645

Sweetspot

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



15.6993, 8.6704, 7.6836



44.1266, 39.2921, 44.5521



13.1069, 6.7816, 32.5163



9.3848, 8.1383, 9.2563



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.



15.6993, 8.6704, 7.6836



26.3689, 13.5659, 8.4538



15.2012, 9.3654, 2.3036



6.7260, 6.6833, 7.4084



11.8905, 6.0608, 3.6743



0.2319, 0.1161, 0.1671

Inverse Universe

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



15.6993, 8.6704, 7.6836



26.3689, 13.5659, 8.4538



16.0587, 21.5408, 35.2095



6.7260, 6.6833, 7.4084



11.8905, 6.0608, 3.6743



0.2319, 0.1161, 0.1671

Previews

White Background



This preview shows how the XYZ color 15.6991, 8.6699, 7.6835 looks on a white background.

Color Contrast Check

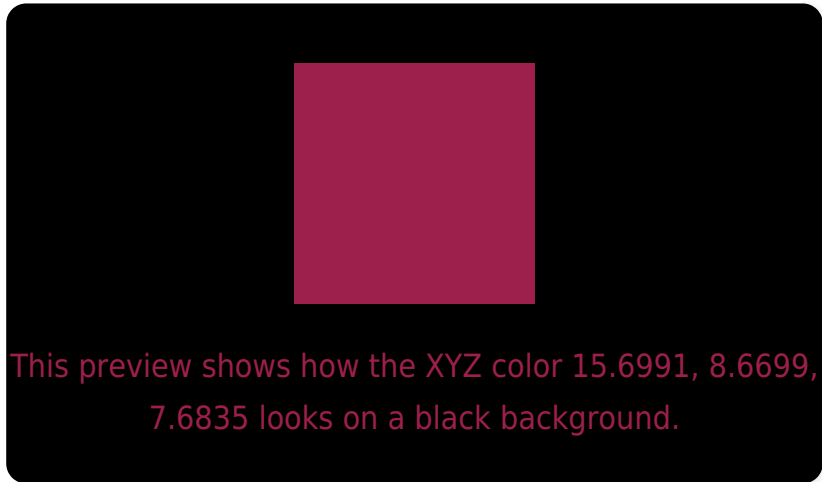
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6991, 8.6699, 7.6835

Background



This preview shows how black text looks on a background with the XYZ color 15.6991, 8.6699, 7.6835.



This preview shows how white text looks on a background with the XYZ color 15.6991, 8.6699, 7.6835.

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

15.6991, 8.6699, 7.6835

Protanopia

8.9773, 9.0456, 14.3695

Deuteranopia

9.0849, 8.9237, 7.0380



Tritanopia

14.6943, 8.6533, 3.0863

Trichromacy



Original Color

15.6991, 8.6699, 7.6835

Protanomaly

10.0950, 7.7769, 11.5587

Deuteranomaly

10.5550, 7.9448, 7.1081

Tritanomaly

15.0377, 8.6574, 4.3685

Monochromacy



Original Color

15.6991, 8.6699, 7.6835

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

8.4920, 6.4772, 7.4593

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6991, 8.6699, 7.6835 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(157, 31, 76)` looks like.

```
.text, #text, p{  
    color:rgb(157, 31, 76)  
}
```

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(157, 31, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 31, 76) }
```

Border

The CSS property to change the border of an element to XYZ 15.6991, 8.6699, 7.6835 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(157, 31, 76) }
```


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

```
.border{ border-color:rgb(157, 31, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 31, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 31, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 31, 76);  
box-shadow:4px 4px 4px 4px rgb(157, 31,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6991, 8.6699, 7.6835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 31, 76) }
```

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

```
.background{ background-color: rgb(157, 31,  
76) }
```

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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