

Converting Colors

XYZ(13.8342, 6.7879, 16.1836)

Have a look what the booklet for
XYZ(13.8342, 6.7879, 16.1836)
contains.

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Color

**XYZ(13.7959, 6.7677,
16.2020)**

Conversions

Conversions Part 1

Format	Color
Hex	8C0071
RGB	140, 0, 113
RGB Percent	55%, 0%, 44%
CMY	0.4510, 0.9999, 0.5569
CMYK	0.00, 1.00, 0.19, 0.45
HSL	312°, 100%, 27%
HSV	312°, 100%, 55%
XYZ	13.7959, 6.7677, 16.2020
YIQ	54.7420, 47.1670, 64.8230

Conversions

Conversions Part 2

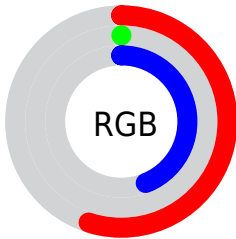
Format	Color
R_{YB}	140, 0, 113
Decimal	9175153
CIE Lab	31.27, 59.01, -24.48
CIE LCh	31, 63.885, 337.470
Yxy	6.7677, 0.3752, 0.1841
Android (android.graphics.Color)	4287365233 (0xFF8C0071)
YUV	54.7420, 28.7212, 74.7713
Hunter-Lab	26.0148, 49.1344, -18.7154

Details

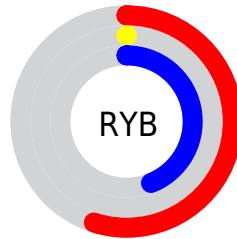
The XYZ color **13.7959, 6.7677, 16.2020** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.5763, 18.8357, 4.1686**, and the grayscale version is **3.5607, 3.7462, 4.0796**.

A 20% lighter version of the original color is **32.2663, 19.4845, 37.6576**, and **4.7004, 2.3129, 5.1997** is the 20% darker color. If you saturate the color by 10%, you get **13.7959, 6.7677, 16.2013**, and if you desaturate by 10%, it is **14.1075, 7.1439, 17.0672**.

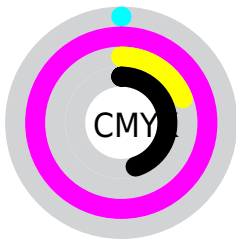
Distribution



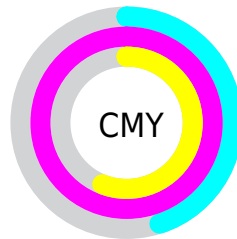
- Red (55%)
- Green (0%)
- Blue (44%)



- Red (55%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (45%)



- Cyan (45%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7959, 6.7677, 16.2020 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 13.7959, 6.7677, 16.2020 by changing the saturation by 10% instead.

13.7959, 6.7677,
16.2020

13.7959, 6.7677,
16.2020

209.4935,
165.7193, 242.4170

8.0596, 3.3172,
9.5113

32.3157, 19.5043,
37.7202

4.1852, 1.2995,
4.9748

45.8300, 29.5593,
53.3848

1.8075, 0.1408,
2.1740

62.6676, 42.5846,
72.8777

0.5222, 0.0000,
0.6593


83.1939, 58.9646,
96.6176


0.0000, 0.0000,
0.0000

107.7743, 79.0836,
125.0229


136.7742,


103.3262, 158.5122


 170.5588,
132.0766, 197.5041

 13.7959, 6.7677,
16.2020

 13.7959, 6.7677,
16.2020


 13.7959, 6.7677,
16.2013

 14.1075, 7.1439,
17.0672

 14.5248, 7.7242,
17.9901

 15.1012, 8.6153,
18.9887

 15.8557, 9.8553,
20.0696

 16.8047, 11.4768,
21.2384

■ 17.9626, 13.5086,
22.5001

■ 19.3424, 15.9766,
23.8591

■ 20.9562, 18.9049,
25.3198

■ 22.8150, 22.3155,
26.8858

Harmonies

Analogous

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



10.8600, 6.7677, 31.4513



13.7959, 6.7677, 16.2020



14.4898, 6.7677, 5.3378

Triad

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



13.7959, 6.7677, 16.2020



5.6775, 6.7677, 0.0000



2.7263, 6.7677, 23.7359

Complementary

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



13.7959, 6.7677, 16.2020



9.5763, 18.8357, 4.1686

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.



2.1051, 6.7677, 9.8591



13.7959, 6.7677, 16.2020



3.4092, 6.7677, 0.2247

Square

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



13.7959, 6.7677, 16.2020



9.0405, 6.7677, 0.0000



2.3061, 6.7677, 2.5239



4.3816, 6.7677, 37.7592

Rectangle

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



13.7959, 6.7677, 16.2020



13.4326, 6.7677, 1.9175



2.3061, 6.7677, 2.5239



2.4191, 6.7677, 18.6005

Sweetspot

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



13.7961, 6.7681, 16.2021



33.9331, 27.8642, 41.9054



5.1516, 2.1091, 24.9468



7.6016, 6.0302, 9.4466



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



13.7961, 6.7681, 16.2021



24.2662, 11.9092, 28.2668



11.2766, 5.7602, 2.9342



5.1932, 5.1127, 6.1058



12.2650, 6.0161, 14.4315



0.0864, 0.0419, 0.1217

Inverse Universe

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



13.7961, 6.7681, 16.2021



24.2662, 11.9092, 28.2668



11.4746, 19.5949, 14.1646



5.1932, 5.1127, 6.1058



12.2650, 6.0161, 14.4315



0.0864, 0.0419, 0.1217

Previews

White Background



This preview shows how the XYZ color 13.7959, 6.7677, 16.2020 looks on a white background.

Color Contrast Check

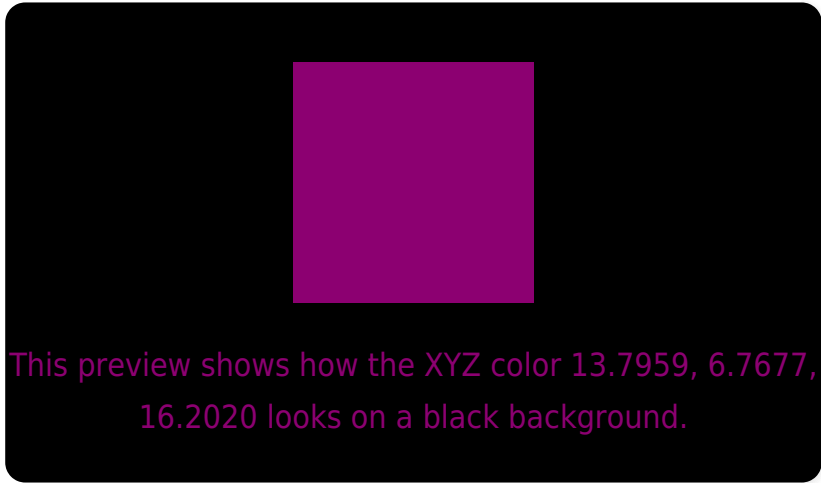
Large Text (above 18pt) WCAG AA ✓ Pass

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

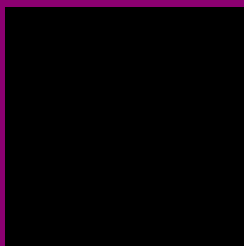
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7959, 6.7677, 16.2020

Background



This preview shows how black text looks on a background with the XYZ color 13.7959, 6.7677, 16.2020.



This preview shows how white text looks on a background with the XYZ color 13.7959, 6.7677,

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

13.7959, 6.7677, 16.2020

Protanopia

8.6203, 7.3662, 33.3152

Deuteranopia

7.5007, 7.4028, 14.6692



Tritanopia

11.4431, 7.2329, 3.4823

Trichromacy



Original Color

13.7959, 6.7677, 16.2020

Protanomaly

7.2642, 4.6898, 26.1135

Deuteranomaly

8.4334, 5.5977, 15.1040

Tritanomaly

11.8932, 6.6520, 6.6184

Monochromacy



Original Color

13.7959, 6.7677, 16.2020

Achromatopsia

3.6313, 3.8204, 4.1605

Achromatomaly

5.7433, 3.7023, 7.2494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7959, 6.7677, 16.2020 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(140, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 113)  
}
```

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(140, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 113) }
```

Border

The CSS property to change the border of an element to XYZ 13.7959, 6.7677, 16.2020 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(140, 0, 113) }
```


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

```
.border{ border-color:rgb(140, 0, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 0, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(140, 0,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7959, 6.7677, 16.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 113) }
```

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

```
.background{ background-color: rgb(140, 0,  
113) }
```

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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