

Converting Colors

XYZ(13.5371, 6.6199, 16.8412)

Have a look what the booklet for
XYZ(13.5371, 6.6199, 16.8412)
contains.

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Color

**XYZ(13.5757, 6.6411,
16.7860)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0073
RGB	138, 0, 115
RGB Percent	54%, 0%, 45%
CMY	0.4588, 0.9999, 0.5490
CMYK	0.00, 1.00, 0.17, 0.46
HSL	310°, 100%, 27%
HSV	310°, 100%, 54%
XYZ	13.5757, 6.6411, 16.7860
YIQ	54.3720, 45.3330, 65.0210

Conversions

Conversions Part 2

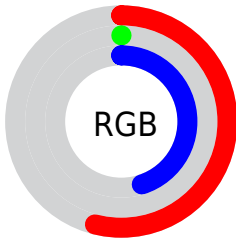
Format	Color
R_{YB}	138, 0, 115
Decimal	9044083
CIE _{Lab}	30.98, 58.88, -26.25
CIE _{LCh}	31, 64.468, 335.974
Yxy	6.6411, 0.3669, 0.1795
Android (android.graphics.Color)	4287234163 (0xFF8A0073)
YUV	54.3720, 29.8896, 73.3418
Hunter-Lab	25.7703, 48.9350, -20.5804

Details

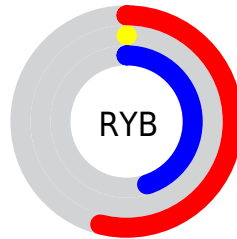
The XYZ color **13.5757, 6.6411, 16.7860** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.2435, 18.2390, 3.8448**, and the grayscale version is **3.5137, 3.6967, 4.0257**.

A 20% lighter version of the original color is **31.9295, 19.2897, 38.5996**, and **4.5506, 2.2323, 5.3453** is the 20% darker color. If you saturate the color by 10%, you get **13.5756, 6.6410, 16.7852**, and if you desaturate by 10%, it is **13.8644, 7.0039, 17.5435**.

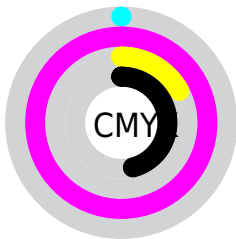
Distribution



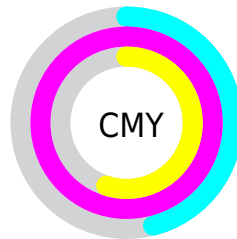
- Red (54%)
- Green (0%)
- Blue (45%)



- Red (54%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (46%)




- Cyan (46%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5757, 6.6411, 16.7860 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 13.5757, 6.6411, 16.7860 by changing the saturation by 10% instead.


 13.5757, 6.6411,
16.7860


 13.5757, 6.6411,
16.7860


208.1389,
164.6473, 245.9382


 7.9059, 3.2387,
9.9217


 31.9268, 19.2475,
38.7431


 4.0861, 1.2576,
5.2421

 45.3389, 29.2202,
54.6729


 1.7509, 0.1080,
2.3288

 62.0624, 42.1519,
74.4617

 0.4878, 0.0000,
0.7473


 82.4626, 58.4268,
98.5279

 0.0000, 0.0000,
0.0000

 106.9051, 78.4294,
127.2901

 135.7550,

102.5441, 161.1669

 169.3779,
131.1553, 200.5767

 13.5757, 6.6411,
16.7860

 13.5757, 6.6411,
16.7860


 13.5756, 6.6410,
16.7852

 13.8644, 7.0039,
17.5435

 14.2534, 7.5621,
18.3509

 14.7954, 8.4208,
19.2258

 15.5086, 9.6166,
20.1744

 16.4087, 11.1809,
21.2020

■ 17.5097, 13.1414,
22.3135

■ 18.8242, 15.5234,
23.5132

■ 20.3637, 18.3498,
24.8049

■ 22.1389, 21.6420,
26.1923

Harmonies

Analogous

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



10.5575, 6.6411, 32.1398



13.5757, 6.6411, 16.7860



14.4080, 6.6411, 5.5787

Triad

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



13.5757, 6.6411, 16.7860



5.7052, 6.6411, 0.0000



2.5821, 6.6411, 22.8560

Complementary

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



13.5757, 6.6411, 16.7860



9.2435, 18.2390, 3.8448

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.



2.0141, 6.6411, 9.1811



13.5757, 6.6411, 16.7860



3.3916, 6.6411, 0.0862

Square

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



13.5757, 6.6411, 16.7860



9.0990, 6.6411, 0.0000



2.2515, 6.6411, 2.2329



4.1618, 6.6411, 37.2469

Rectangle

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



13.5757, 6.6411, 16.7860



13.4319, 6.6411, 1.9986



2.2515, 6.6411, 2.2329



2.2954, 6.6411, 17.7361

Sweetspot

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



13.5759, 6.6414, 16.7861



33.0178, 27.0650, 41.3031



4.9413, 2.0177, 24.1738



7.2090, 5.7128, 9.0886



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.5759, 6.6414, 16.7861



23.8797, 11.6861, 29.3249



10.9748, 5.6010, 3.0886



5.1987, 5.1149, 6.1346



12.4515, 6.0907, 15.4136



0.0871, 0.0422, 0.1256

Inverse Universe

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



13.5759, 6.6414, 16.7861



23.8797, 11.6861, 29.3249



11.0207, 18.9499, 13.2033



5.1987, 5.1149, 6.1346



12.4515, 6.0907, 15.4136



0.0871, 0.0422, 0.1256

Previews

White Background



This preview shows how the XYZ color 13.5757, 6.6411, 16.7860 looks on a white background.

Color Contrast Check

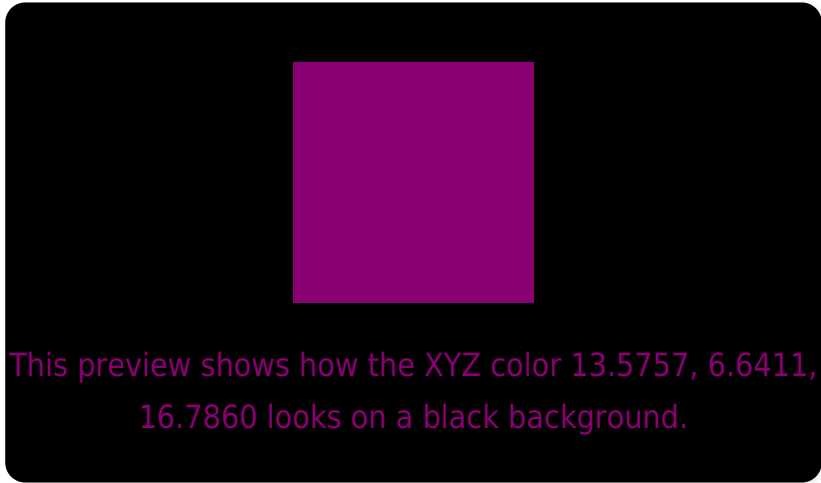
Large Text (above 18pt) WCAG AA ✓ Pass

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

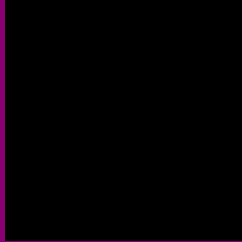
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5757, 6.6411, 16.7860

Background



This preview shows how black text looks on a background with the XYZ color 13.5757, 6.6411, 16.7860.



This preview shows how white text looks on a background with the XYZ color 13.5757, 6.6411, 16.7860.

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

13.5757, 6.6411, 16.7860

Protanopia

8.3833, 7.1654, 32.3937

Deuteranopia

7.4028, 7.2387, 15.1944



Tritanopia

10.9876, 6.9957, 3.5675

Trichromacy



Original Color

13.5757, 6.6411, 16.7860

Protanomaly

7.1001, 4.5552, 25.7043

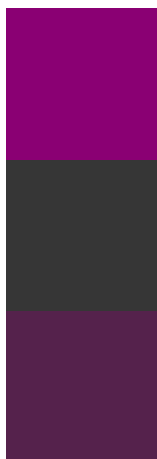
Deuteranomaly

8.3398, 5.5369, 15.6681

Tritanomaly

11.4406, 6.4149, 6.7661

Monochromacy



Original Color

13.5757, 6.6411, 16.7860

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.6228, 3.5972, 7.2354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5757, 6.6411, 16.7860 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(138, 0, 115)` looks like.

```
.text, #text, p{  
    color:rgb(138, 0, 115)  
}
```

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(138, 0, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 0, 115) }
```

Border

The CSS property to change the border of an element to XYZ 13.5757, 6.6411, 16.7860 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(138, 0, 115) }
```


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

```
.border{ border-color:rgb(138, 0, 115) }
```

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

Here you see how a box with a 4 pixel rgb(138, 0, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(138, 0,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5757, 6.6411, 16.7860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 0, 115) }
```

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

```
.background{ background-color: rgb(138, 0,  
115) }
```

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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