

Converting Colors

XYZ(12.3169, 3.5726, 15.7292)

Have a look what the booklet for
XYZ(12.3169, 3.5726, 15.7292)
contains.

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Color

**XYZ(13.9651, 6.8550,
16.2099)**

Conversions

Conversions Part 1

Format	Color
Hex	8D0071
RGB	141, 0, 113
RGB Percent	55%, 0%, 44%
CMY	0.4471, 0.9999, 0.5569
CMYK	0.00, 1.00, 0.20, 0.45
HSL	312°, 100%, 28%
HSV	312°, 100%, 55%
XYZ	13.9651, 6.8550, 16.2099
YIQ	55.0410, 47.7630, 65.0350

Conversions

Conversions Part 2

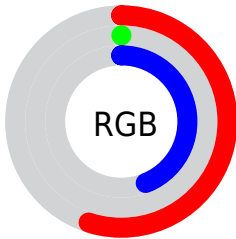
Format	Color
R_{YB}	141, 0, 113
Decimal	9240689
CIE _{Lab}	31.47, 59.21, -24.15
CIE _{LCh}	31, 63.942, 337.813
Yxy	6.8550, 0.3771, 0.1851
Android (android.graphics.Color)	4287430769 (0xFF8D0071)
YUV	55.0410, 28.5738, 75.3860
Hunter-Lab	26.1821, 49.3905, -18.3803

Details

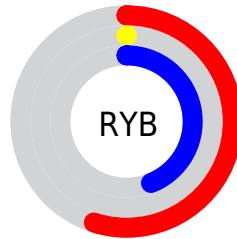
The XYZ color **13.9651, 6.8550, 16.2099** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.7349, 19.1338, 4.2798**, and the grayscale version is **3.5986, 3.7860, 4.1230**.

A 20% lighter version of the original color is **32.5290, 19.6199, 37.6699**, and **4.7919, 2.3601, 5.2040** is the 20% darker color. If you saturate the color by 10%, you get **13.9650, 6.8549, 16.2089**, and if you desaturate by 10%, it is **14.2839, 7.2363, 17.1061**.

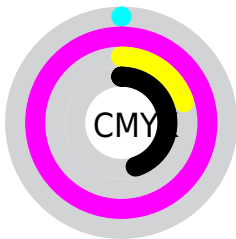
Distribution



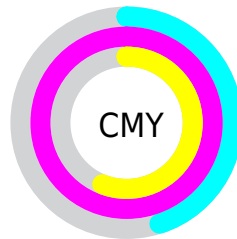
- Red (55%)
- Green (0%)
- Blue (44%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (45%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9651, 6.8550, 16.2099 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 13.9651, 6.8550, 16.2099 by changing the saturation by 10% instead.

■ 13.9651, 6.8550,
16.2099

■ 13.9651, 6.8550,
16.2099

210.5286,
166.4534, 242.4650

■ 8.1779, 3.3716,
9.5168

■ 32.6139, 19.6809,
37.7341

■ 4.2618, 1.3287,
4.9784

■ 46.2062, 29.7922,
53.4023

■ 1.8513, 0.1632,
2.1761

■ 63.1309, 42.8816,
72.8992

■ 0.5483, 0.0000,
0.6605

■ 83.7535, 59.3334,
96.6436

■ 0.0000, 0.0000,
0.0000

■ 108.4391, 79.5321,
125.0538

■ 137.5533,

103.8621, 158.5484

171.4613,
132.7077, 197.5459

13.9651, 6.8550,
16.2099

13.9651, 6.8550,
16.2099

13.9650, 6.8549,
16.2089

14.2839, 7.2363,
17.1061

14.7108, 7.8259,
18.0626

15.2996, 8.7316,
19.0974

16.0698, 9.9921,
20.2174

17.0381, 11.6404,
21.4281

■ 18.2190, 13.7061,
22.7348

■ 19.6258, 16.2155,
24.1421

■ 21.2709, 19.1929,
25.6542

■ 23.1654, 22.6610,
27.2750

Harmonies

Analogous

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



11.0232, 6.8550, 31.5659



13.9651, 6.8550, 16.2099



14.6331, 6.8550, 5.3297

Triad

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



13.9651, 6.8550, 16.2099



5.7200, 6.8550, 0.0000



2.7834, 6.8550, 24.1440

Complementary

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



13.9651, 6.8550, 16.2099



9.7349, 19.1338, 4.2798

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.



2.1444, 6.8550, 10.1031



13.9651, 6.8550, 16.2099



3.4425, 6.8550, 0.2622

Square

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



13.9651, 6.8550, 16.2099



9.1049, 6.8550, 0.0000



2.3385, 6.8550, 2.6153



4.4704, 6.8550, 38.2015

Rectangle

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



13.9651, 6.8550, 16.2099



13.5482, 6.8550, 1.9158



2.3385, 6.8550, 2.6153



2.4688, 6.8550, 18.9616

Sweetspot

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



13.9653, 6.8554, 16.2100



34.9687, 28.7194, 43.0637



5.2305, 2.1413, 25.3369



7.5940, 6.0272, 9.4068



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.



13.9653, 6.8554, 16.2100



24.9486, 12.2519, 28.7098



11.4519, 5.8500, 2.9742



5.5810, 5.4929, 6.5575



12.7391, 6.2526, 14.8091



0.1293, 0.0628, 0.1814

Inverse Universe

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



13.9653, 6.8554, 16.2100



24.9486, 12.2519, 28.7098



11.6528, 19.9009, 14.3795



5.5810, 5.4929, 6.5575



12.7391, 6.2526, 14.8091



0.1293, 0.0628, 0.1814

Previews

White Background



This preview shows how the XYZ color 13.9651, 6.8550, 16.2099 looks on a white background.

Color Contrast Check

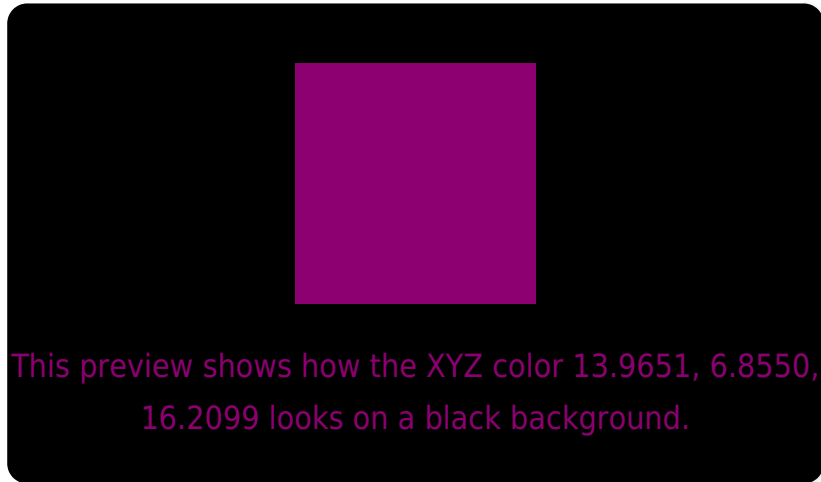
Large Text (above 18pt) WCAG AA ✓ Pass

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

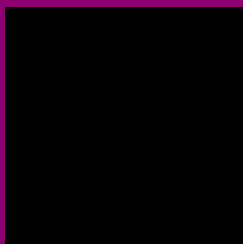
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.9651, 6.8550, 16.2099

Background



This preview shows how black text looks on a background with the XYZ color 13.9651, 6.8550, 16.2099.



This preview shows how white text looks on a background with the XYZ color 13.9651, 6.8550,

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

13.9651, 6.8550, 16.2099

Protanopia

8.7068, 7.4008, 33.7705

Deuteranopia

7.5699, 7.4384, 14.6725



Tritanopia

11.6048, 7.3162, 3.4899

Trichromacy



Original Color

13.9651, 6.8550, 16.2099

Protanomaly

7.2642, 4.6898, 26.1135

Deuteranomaly

8.5366, 5.6509, 15.1088

Tritanomaly

12.0579, 6.7369, 6.6261

Monochromacy



Original Color

13.9651, 6.8550, 16.2099

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 13.9651, 6.8550, 16.2099 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(141, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(141, 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(141, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 0, 113) }
```

Border

The CSS property to change the border of an element to XYZ 13.9651, 6.8550, 16.2099 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(141, 0, 113) }
```


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

```
.border{ border-color:rgb(141, 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(141, 0, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(141, 0,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9651, 6.8550, 16.2099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 0, 113) }
```

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

```
.background{ background-color: rgb(141, 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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