

Converting Colors

XYZ(13.1075, 6.5283, 13.9474)

Have a look what the booklet for
XYZ(13.1075, 6.5283, 13.9474)
contains.

XYZ(13.0745, 6.5100, 13.9321)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.0745, 6.5100,
13.9321)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0469
RGB	138, 4, 105
RGB Percent	54%, 2%, 41%
CMY	0.4588, 0.9843, 0.5882
CMYK	0.00, 0.97, 0.24, 0.46
HSL	315°, 94%, 28%
HSV	315°, 97%, 54%
XYZ	13.0745, 6.5100, 13.9321
YIQ	55.5800, 47.4430, 59.8190

Conversions

Conversions Part 2

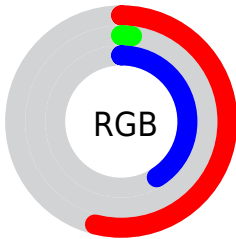
Format	Color
R_{YB}	138, 4, 105
Decimal	9045097
CIE _{Lab}	30.66, 56.97, -20.33
CIE _{LCh}	31, 60.485, 340.363
Yxy	6.5100, 0.3901, 0.1942
Android (android.graphics.Color)	4287235177 (0xFF8A0469)
YUV	55.5800, 24.3641, 72.2823
Hunter-Lab	25.5147, 46.8180, -14.5145

Details

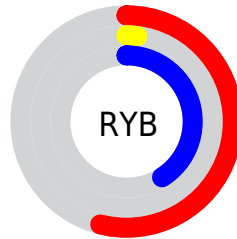
The XYZ color **13.0745, 6.5100, 13.9321** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.4729, 18.3367, 4.7913**, and the grayscale version is **3.6715, 3.8627, 4.2065**.

A 20% lighter version of the original color is **30.9552, 18.9000, 33.4690**, and **4.3058, 2.1344, 4.0559** is the 20% darker color. If you saturate the color by 10%, you get **12.9807, 6.4031, 13.6518**, and if you desaturate by 10%, it is **13.4227, 6.9211, 14.9275**.

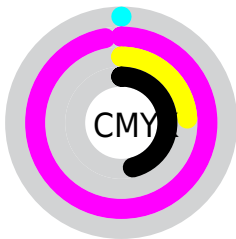
Distribution



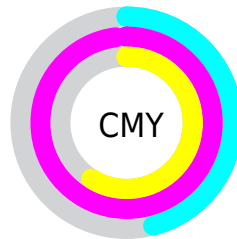
- Red (54%)
- Green (2%)
- Blue (41%)



- Red (54%)
- Yellow (2%)
- Blue (41%)



- Cyan (0%)
- Magenta (97%)
- Yellow (24%)
- Black (46%)





- Cyan (46%)
- Magenta (98%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.0745, 6.5100, 13.9321 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 13.0745, 6.5100, 13.9321 by changing the saturation by 10% instead.


 13.0745, 6.5100,
13.9321

 13.0745, 6.5100,
13.9321


205.0225,
163.5278, 228.2217


 7.5572, 3.1576,
7.9352


 31.0377, 18.9804,
33.6839


 3.8624, 1.2146,
3.9664

 44.2144, 28.8673,
48.2759


 1.6246, 0.0735,
1.6069

 60.6749, 41.7011,
66.5701

 0.4083, 0.0000,
0.2957


 80.7846, 57.8662,
88.9849


 0.0000, 0.0000,
0.0000

 104.9089, 77.7470,
115.9389


 133.4131,

101.7279, 147.8507

 166.6625,
130.1934, 185.1388

 13.0745, 6.5100,
13.9321


 13.0745, 6.5100,
13.9321

 12.9807, 6.4031,
13.6518

 13.4227, 6.9211,
14.9275

 13.9009, 7.5809,
16.0010

 14.5414, 8.5540,
17.1638

 15.3618, 9.8753,
18.4222

 16.3772, 11.5750,
19.7816

■ 17.6012, 13.6800,
21.2469

■ 19.0461, 16.2150,
22.8225

■ 20.7232, 19.2023,
24.5126

■ 22.6431, 22.6630,
26.3210

Harmonies

Analogous

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



10.5524, 6.5100, 27.5789



13.0745, 6.5100, 13.9321



13.4629, 6.5100, 4.5839

Triad

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



13.0745, 6.5100, 13.9321



5.2367, 6.5100, 0.0000



2.8344, 6.5100, 23.3005

Complementary

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



13.0745, 6.5100, 13.9321



9.4729, 18.3367, 4.7913

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.



2.1607, 6.5100, 10.3705



13.0745, 6.5100, 13.9321



3.2308, 6.5100, 0.4742

Square

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



13.0745, 6.5100, 13.9321



8.2594, 6.5100, 0.0000



2.2786, 6.5100, 2.9589



4.4949, 6.5100, 35.3222

Rectangle

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



13.0745, 6.5100, 13.9321



12.3617, 6.5100, 1.6893



2.2786, 6.5100, 2.9589



2.5128, 6.5100, 18.6289

Sweetspot

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



13.0747, 6.5103, 13.9322



32.8903, 27.3786, 39.5077



5.3336, 2.2842, 24.2048



7.1637, 5.7661, 8.6298



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.



13.0747, 6.5103, 13.9322



22.8157, 11.2605, 23.7221



10.9035, 5.6419, 2.4989



5.1821, 5.1083, 6.0474



11.9073, 5.8730, 12.5479



0.0849, 0.0413, 0.1139

Inverse Universe

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



13.0747, 6.5103, 13.9322



22.8157, 11.2605, 23.7221



11.5505, 19.1677, 15.7317



5.1821, 5.1083, 6.0474



11.9073, 5.8730, 12.5479



0.0849, 0.0413, 0.1139

Previews

White Background



This preview shows how the XYZ color 13.0745, 6.5100, 13.9321 looks on a white background.

Color Contrast Check

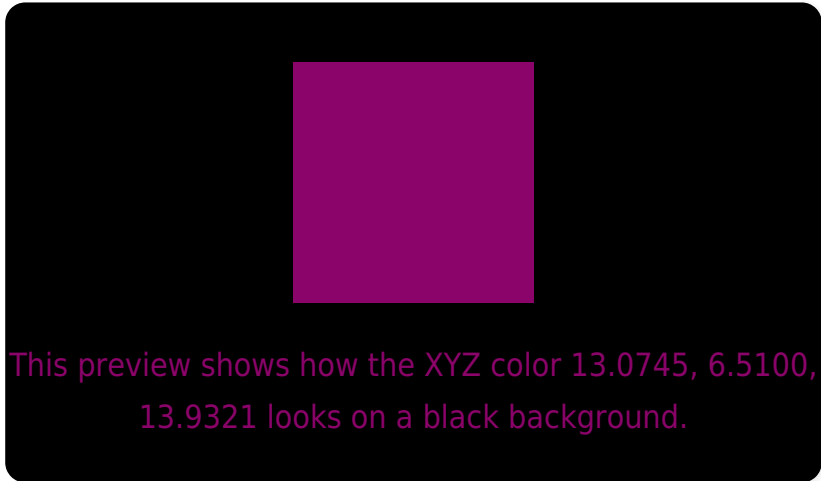
Large Text (above 18pt) WCAG AA ✓ Pass

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

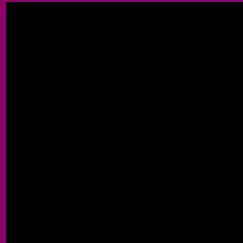
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0745, 6.5100, 13.9321

Background



This preview shows how black text looks on a background with the XYZ color 13.0745, 6.5100, 13.9321.



This preview shows how white text looks on a background with the XYZ color 13.0745, 6.5100,

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

13.0745, 6.5100, 13.9321

Protanopia

8.2083, 7.1417, 29.3796

Deuteranopia

7.1792, 7.0815, 12.5438



Tritanopia

10.9204, 6.7543, 3.1110

Trichromacy



Original Color

13.0745, 6.5100, 13.9321

Protanomaly

7.5374, 4.9656, 22.7515

Deuteranomaly

8.1666, 5.5691, 12.9564

Tritanomaly

11.3903, 6.3748, 5.7844

Monochromacy



Original Color

13.0745, 6.5100, 13.9321

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

5.7354, 3.7960, 6.9090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0745, 6.5100, 13.9321 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, 4, 105)` looks like.

```
.text, #text, p{  
    color:rgb(138, 4, 105)  
}
```

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, 4, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 4, 105) }
```

Border

The CSS property to change the border of an element to XYZ 13.0745, 6.5100, 13.9321 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, 4, 105) }
```


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

```
.border{ border-color:rgb(138, 4, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 4, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 4, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 4, 105);  
box-shadow:4px 4px 4px 4px rgb(138, 4,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0745, 6.5100, 13.9321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 4, 105) }
```

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

```
.background{ background-color: rgb(138, 4,  
105) }
```

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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