

Converting Colors

XYZ(13.3698, 6.7040, 9.1377)

Have a look what the booklet for
XYZ(13.3698, 6.7040, 9.1377)
contains.

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Color

**XYZ(13.3167, 6.6756,
9.1810)**

Conversions

Conversions Part 1

Format	Color
Hex	910055
RGB	145, 0, 85
RGB Percent	57%, 0%, 33%
CMY	0.4314, 0.9999, 0.6667
CMYK	0.00, 1.00, 0.41, 0.43
HSL	325°, 100%, 28%
HSV	325°, 100%, 57%
XYZ	13.3167, 6.6756, 9.1810
YIQ	53.0450, 59.1350, 57.1750

Conversions

Conversions Part 2

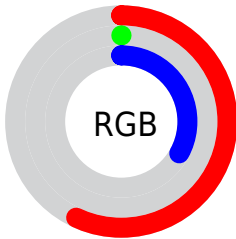
Format	Color
RYB	145, 0, 85
Decimal	9502805
CIELab	31.06, 56.86, -6.57
CIELCh	31, 57.238, 353.410
Yxy	6.6756, 0.4565, 0.2288
Android (android.graphics.Color)	4287692885 (0xFF910055)
YUV	53.0450, 15.7538, 80.6445
Hunter-Lab	25.8372, 46.7853, -2.9821

Details

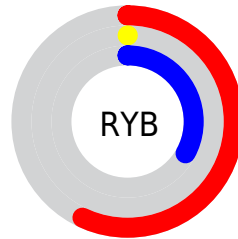
The XYZ color **13.3167, 6.6756, 9.1810** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **10.9416, 20.5772, 7.6725**, and the grayscale version is **3.3670, 3.5424, 3.8577**.

A 20% lighter version of the original color is **31.4506, 19.3433, 24.9977**, and **4.5028, 2.2770, 2.2097** is the 20% darker color. If you saturate the color by 10%, you get **13.3164, 6.6755, 9.1795**, and if you desaturate by 10%, it is **13.7295, 7.1032, 10.5452**.

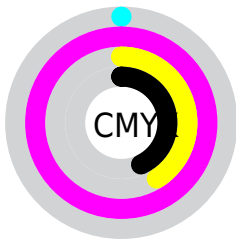
Distribution



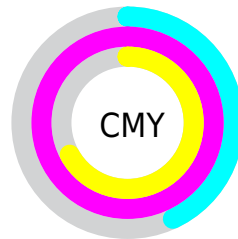
- Red (57%)
- Green (0%)
- Blue (33%)



- Red (57%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (43%)



- Cyan (43%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3167, 6.6756, 9.1810 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 13.3167, 6.6756, 9.1810 by changing the saturation by 10% instead.

■ 13.3167, 6.6756,
9.1810

■ 13.3167, 6.6756,
9.1810

206.5343,
164.9403, 194.9900

■ 7.7255, 3.2601,
4.7610

■ 31.4681, 19.3176,
24.8265

■ 3.9701, 1.2690,
2.0515

■ 44.7590, 29.3128,
36.8890

■ 1.6852, 0.1170,
0.5866

■ 61.3471, 42.2700,
52.3362

■ 0.4470, 0.0000,
0.0000


■ 81.5979, 58.5737,
71.5865


■ 0.0000, 0.0000,
0.0000


■ 105.8766, 78.6081,
95.0585


■ 134.5487,

102.7578, 123.1707

 167.9795,
131.4071, 156.3417


 13.3167, 6.6756,
9.1810


 13.3167, 6.6756,
9.1810


 13.3164, 6.6755,
9.1795

 13.7295, 7.1032,
10.5452

 14.2745, 7.7624,
12.0556

 15.0081, 8.7647,
13.7333

 15.9514, 10.1518,
15.5876

 17.1227, 11.9596,
17.6267

■ 18.5381, 14.2196,
19.8582

■ 20.2122, 16.9604,
22.2888

■ 22.1585, 20.2082,
24.9251

■ 24.3894, 23.9874,
27.7731

Harmonies

Analogous

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



11.7089, 6.6756, 20.8357



13.3167, 6.6756, 9.1810



12.6612, 6.6756, 2.7097

Triad

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



13.3167, 6.6756, 9.1810



4.4411, 6.6756, 0.0713



3.6514, 6.6756, 27.9384

Complementary

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



13.3167, 6.6756, 9.1810



10.9416, 20.5772, 7.6725

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.



2.5819, 6.6756, 15.2539



13.3167, 6.6756, 9.1810



2.9354, 6.6756, 1.4143

Square

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



13.3167, 6.6756, 9.1810



6.9816, 6.6756, 0.0000



2.3650, 6.6756, 5.6421



5.7482, 6.6756, 35.7629

Rectangle

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



13.3167, 6.6756, 9.1810



11.1018, 6.6756, 0.9939



2.3650, 6.6756, 5.6421



3.1880, 6.6756, 23.7943

Sweetspot

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



13.3169, 6.6760, 9.1811



35.9918, 30.0340, 39.6276



6.8566, 2.9446, 26.9949



7.7470, 6.2539, 8.4452



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.3169, 6.6760, 9.1811



23.7596, 11.9196, 15.9745



11.7600, 6.0532, 0.9826



5.5331, 5.4738, 6.3053



11.4351, 5.7311, 7.9426



0.1203, 0.0592, 0.1338

Inverse Universe

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



13.3169, 6.6760, 9.1811



23.7596, 11.9196, 15.9745



14.1886, 21.8760, 24.7707



5.5331, 5.4738, 6.3053



11.4351, 5.7311, 7.9426



0.1203, 0.0592, 0.1338

Previews

White Background



This preview shows how the XYZ color 13.3167, 6.6756, 9.1810 looks on a white background.

Color Contrast Check

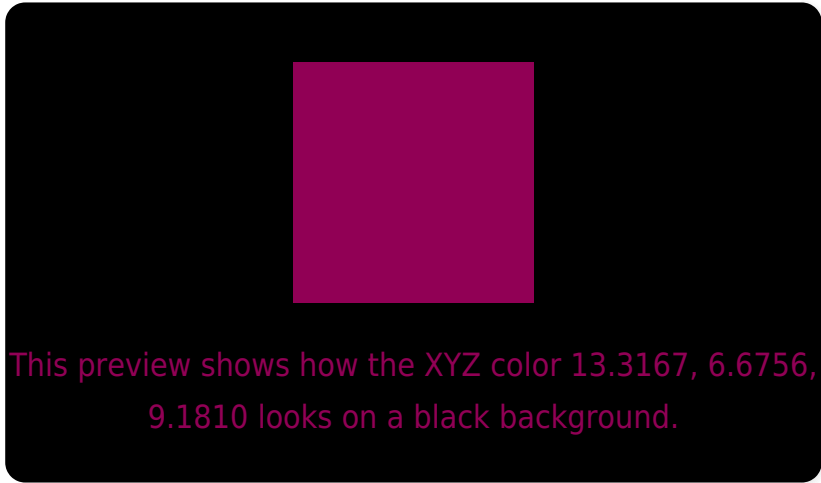
Large Text (above 18pt) WCAG AA ✓ Pass

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

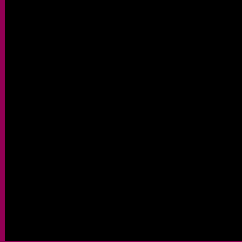
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3167, 6.6756, 9.1810

Background



This preview shows how black text looks on a background with the XYZ color 13.3167, 6.6756, 9.1810.



This preview shows how white text looks on a background with the XYZ color 13.3167, 6.6756, 9.1810.

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

13.3167, 6.6756, 9.1810

Protanopia

7.7739, 7.3368, 19.4188

Deuteranopia

7.4273, 7.3011, 8.4149



Tritanopia

12.0161, 7.0103, 2.2332

Trichromacy



Original Color

13.3167, 6.6756, 9.1810

Protanomaly

8.0337, 5.3917, 15.0853

Deuteranomaly

8.4456, 5.6913, 8.4380

Tritanomaly

12.2572, 6.6705, 4.0097

Monochromacy



Original Color

13.3167, 6.6756, 9.1810

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.3639, 3.5041, 5.3947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3167, 6.6756, 9.1810 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(145, 0, 85)` looks like.

```
.text, #text, p{  
  color:rgb(145, 0, 85)  
}
```

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(145, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 0, 85) }
```

Border

The CSS property to change the border of an element to XYZ 13.3167, 6.6756, 9.1810 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(145, 0, 85) }
```


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

```
.border{ border-color:rgb(145, 0, 85) }
```

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

Here you see how a box with a 4 pixel rgb(145, 0, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(145, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3167, 6.6756, 9.1810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 0, 85) }
```

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

```
.background{ background-color: rgb(145, 0,  
85) }
```

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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