

Converting Colors

XYZ(13.7313, 6.9012, 8.6625)

Have a look what the booklet for
XYZ(13.7313, 6.9012, 8.6625)
contains.

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Color

**XYZ(13.7357, 6.9051,
8.5915)**

Conversions

Conversions Part 1

Format	Color
Hex	940052
RGB	148, 0, 82
RGB Percent	58%, 0%, 32%
CMY	0.4196, 0.9999, 0.6784
CMYK	0.00, 1.00, 0.45, 0.42
HSL	327°, 100%, 29%
HSV	327°, 100%, 58%
XYZ	13.7357, 6.9051, 8.5915
YIQ	53.6000, 61.8860, 56.8780

Conversions

Conversions Part 2

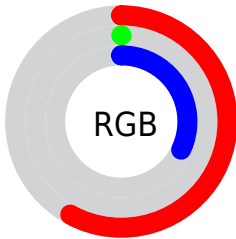
Format	Color
R_{YB}	148, 0, 82
Decimal	9699410
CIE _{Lab}	31.59, 57.26, -3.73
CIE _{LCh}	32, 57.379, 356.272
Yxy	6.9051, 0.4699, 0.2362
Android (android.graphics.Color)	4287889490 (0xFF940052)
YUV	53.6000, 14.0012, 82.7888
Hunter-Lab	26.2776, 47.3191, -0.9907

Details

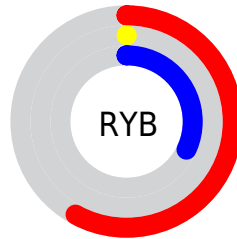
The XYZ color **13.7357, 6.9051, 8.5915** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.5741, 21.5734, 8.7114**, and the grayscale version is **3.4365, 3.6154, 3.9372**.

A 20% lighter version of the original color is **32.2776, 19.8017, 23.5936**, and **4.6642, 2.3641, 2.0442** is the 20% darker color. If you saturate the color by 10%, you get **13.7353, 6.9049, 8.5897**, and if you desaturate by 10%, it is **14.1674, 7.3470, 10.0350**.

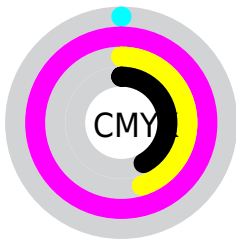
Distribution



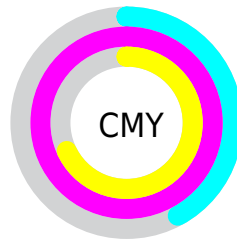
- Red (58%)
- Green (0%)
- Blue (32%)



- Red (58%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (45%)
- Black (42%)




- Cyan (42%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.7357, 6.9051, 8.5915 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 13.7357, 6.9051, 8.5915 by changing the saturation by 10% instead.


 13.7357, 6.9051,
8.5915


 13.7357, 6.9051,
8.5915


209.1240,
166.8728, 190.4050


 8.0175, 3.4028,
4.3826


 32.2095, 19.7820,
23.6751


 4.1581, 1.3455,
1.8375

 45.6959, 29.9255,
35.3869


 1.7919, 0.1760,
0.4525

 62.5024, 43.0515,
50.4367

 0.5128, 0.0000,
0.0000


 82.9944, 59.5443,
69.2431

 0.0000, 0.0000,
0.0000

 107.5371, 79.7885,
92.2246

 136.4961,


104.1684, 119.7997


 170.2366,
133.0683, 152.3870


 13.7357, 6.9051,
8.5915


 13.7357, 6.9051,
8.5915


 13.7353, 6.9049,
8.5897

 14.1674, 7.3470,
10.0350

 14.7421, 8.0352,
11.6486

 15.5176, 9.0841,
13.4547

 16.5163, 10.5378,
15.4637

 17.7576, 12.4340,
17.6851

■ 19.2585, 14.8061,
20.1272

■ 21.0347, 17.6841,
22.7980

■ 23.1003, 21.0957,
25.7048

■ 25.4685, 25.0665,
28.8547

Harmonies

Analogous

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



12.2918, 6.9051, 20.1174



13.7357, 6.9051, 8.5915



12.8440, 6.9051, 2.4749

Triad

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



13.7357, 6.9051, 8.5915



4.4147, 6.9051, 0.2107



3.9554, 6.9051, 29.7451

Complementary

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



13.7357, 6.9051, 8.5915



11.5741, 21.5734, 8.7114

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.



2.7597, 6.9051, 16.8840



13.7357, 6.9051, 8.5915



2.9656, 6.9051, 1.7209

Square

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



13.7357, 6.9051, 8.5915



6.9278, 6.9051, 0.0000



2.4586, 6.9051, 6.5387



6.2114, 6.9051, 36.7964

Rectangle

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



13.7357, 6.9051, 8.5915



11.1536, 6.9051, 0.9090



2.4586, 6.9051, 6.5387



3.4447, 6.9051, 25.6464

Sweetspot

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



13.7359, 6.9055, 8.5916



36.9084, 30.8652, 39.9256



7.4693, 3.2334, 28.2473



8.1407, 6.5821, 8.6933



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.7359, 6.9055, 8.5916



24.1478, 12.1484, 14.6946



12.2671, 6.3180, 0.8568



5.9272, 5.8659, 6.7227



11.7461, 5.9035, 7.4100



0.1586, 0.0782, 0.1690

Inverse Universe

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



13.7359, 6.9055, 8.5916



24.1478, 12.1484, 14.6946



15.1873, 23.0187, 27.7384



5.9272, 5.8659, 6.7227



11.7461, 5.9035, 7.4100



0.1586, 0.0782, 0.1690

Previews

White Background



This preview shows how the XYZ color 13.7357, 6.9051, 8.5915 looks on a white background.

Color Contrast Check

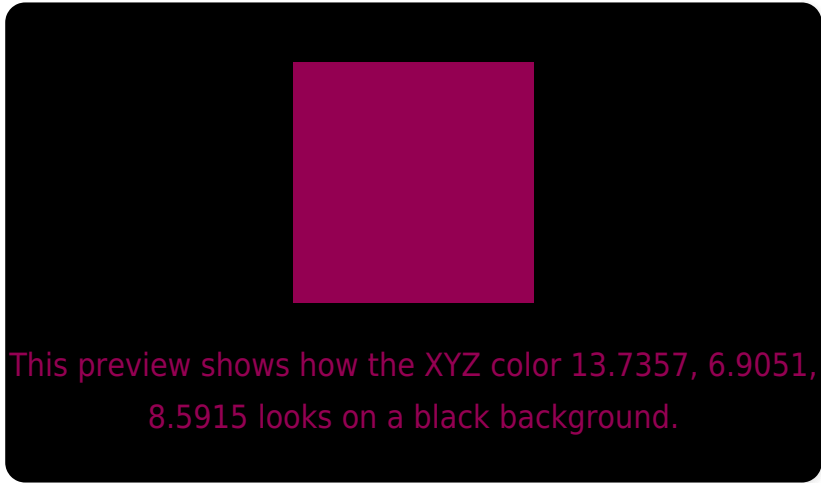
Large Text (above 18pt) WCAG AA ✓ Pass

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

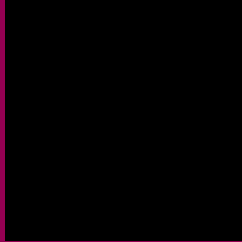
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.7357, 6.9051, 8.5915

Background



This preview shows how black text looks on a background with the XYZ color 13.7357, 6.9051, 8.5915.



This preview shows how white text looks on a background with the XYZ color 13.7357, 6.9051, 8.5915.

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

13.7357, 6.9051, 8.5915

Protanopia

7.9044, 7.5337, 18.1771

Deuteranopia

7.6583, 7.5324, 7.8877



Tritanopia

12.4954, 7.2173, 2.1733

Trichromacy



Original Color

13.7357, 6.9051, 8.5915

Protanomaly

8.2228, 5.5135, 13.9954

Deuteranomaly

8.7388, 5.9152, 7.8889

Tritanomaly

12.7198, 6.8863, 3.7908

Monochromacy



Original Color

13.7357, 6.9051, 8.5915

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.5219, 3.5889, 5.2522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7357, 6.9051, 8.5915 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(148, 0, 82)` looks like.

```
.text, #text, p{  
    color:rgb(148, 0, 82)  
}
```

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(148, 0, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 82) }
```

Border

The CSS property to change the border of an element to XYZ 13.7357, 6.9051, 8.5915 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(148, 0, 82) }
```


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

```
.border{ border-color:rgb(148, 0, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 0, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 82);  
box-shadow:4px 4px 4px 4px rgb(148, 0, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.7357, 6.9051, 8.5915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 82) }
```

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

```
.background{ background-color: rgb(148, 0,  
82) }
```

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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