

Converting Colors

XYZ(13.4115, 6.7260, 9.1178)

Have a look what the booklet for
XYZ(13.4115, 6.7260, 9.1178)
contains.

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Color

**XYZ(13.4938, 6.7669,
9.1893)**

Conversions

Conversions Part 1

Format	Color
Hex	920055
RGB	146, 0, 85
RGB Percent	57%, 0%, 33%
CMY	0.4275, 0.9999, 0.6667
CMYK	0.00, 1.00, 0.42, 0.43
HSL	325°, 100%, 29%
HSV	325°, 100%, 57%
XYZ	13.4938, 6.7669, 9.1893
YIQ	53.3440, 59.7310, 57.3870

Conversions

Conversions Part 2

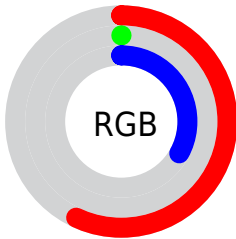
Format	Color
R_{YB}	146, 0, 85
Decimal	9568341
CIE _{Lab}	31.27, 57.09, -6.23
CIE _{LCh}	31, 57.424, 353.774
Yxy	6.7669, 0.4582, 0.2298
Android (android.graphics.Color)	4287758421 (0xFF920055)
YUV	53.3440, 15.6064, 81.2593
Hunter-Lab	26.0133, 47.0697, -2.7352

Details

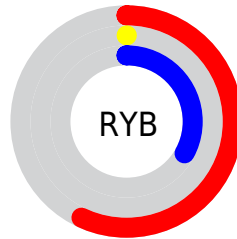
The XYZ color **13.4938, 6.7669, 9.1893** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.1219, 20.8951, 7.8644**, and the grayscale version is **3.4035, 3.5807, 3.8994**.

A 20% lighter version of the original color is **31.7238, 19.4842, 25.0105**, and **4.5028, 2.2770, 2.2097** is the 20% darker color. If you saturate the color by 10%, you get **13.4935, 6.7668, 9.1877**, and if you desaturate by 10%, it is **13.9123, 7.1991, 10.5767**.

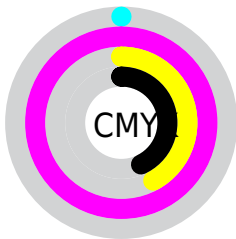
Distribution



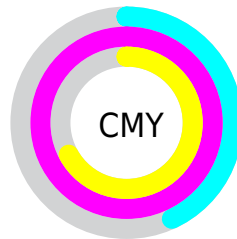
- Red (57%)
- Green (0%)
- Blue (33%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (42%)
- Black (43%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4938, 6.7669, 9.1893 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 13.4938, 6.7669, 9.1893 by changing the saturation by 10% instead.


 13.4938, 6.7669,
9.1893


 13.4938, 6.7669,
9.1893


207.6328,
165.7125, 195.0536


 7.8488, 3.3168,
4.7664


 31.7819, 19.5027,
24.8426


 4.0493, 1.2993,
2.0545

 45.1558, 29.5572,
36.9100


 1.7301, 0.1406,
0.5885

 61.8366, 42.5819,
52.3627

 0.4750, 0.0000,
0.0000


 82.1897, 58.9612,
71.6191


 0.0000, 0.0000,
0.0000

 106.5806, 79.0795,
95.0979


 135.3745,

103.3212, 123.2176

 168.9368,
132.0708, 156.3966


 13.4938, 6.7669,
9.1893


 13.4938, 6.7669,
9.1893


 13.4935, 6.7668,
9.1877

 13.9123, 7.1991,
10.5767

 14.4659, 7.8673,
12.1148

 15.2114, 8.8842,
13.8248

 16.1704, 10.2923,
15.7165

 17.3615, 12.1280,
17.7981

■ 18.8010, 14.4234,
20.0773

■ 20.5039, 17.2076,
22.5614

■ 22.4839, 20.5072,
25.2568

■ 24.7535, 24.3470,
28.1699

Harmonies

Analogous

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



11.8916, 6.7669, 20.9362



13.4938, 6.7669, 9.1893



12.8022, 6.7669, 2.7040

Triad

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



13.4938, 6.7669, 9.1893



4.4791, 6.7669, 0.0953



3.7236, 6.7669, 28.4256

Complementary

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



13.4938, 6.7669, 9.1893



11.1219, 20.8951, 7.8644

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.



2.6283, 6.7669, 15.5987



13.4938, 6.7669, 9.1893



2.9667, 6.7669, 1.4646

Square

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



13.4938, 6.7669, 9.1893



7.0397, 6.7669, 0.0000



2.3989, 6.7669, 5.8048



5.8598, 6.7669, 36.2267

Rectangle

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



13.4938, 6.7669, 9.1893



11.2117, 6.7669, 0.9921



2.3989, 6.7669, 5.8048



3.2500, 6.7669, 24.2479

Sweetspot

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



13.4940, 6.7673, 9.1894



35.9710, 30.0257, 39.5184



7.1034, 3.0629, 27.4110



7.7419, 6.2518, 8.4185



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.



13.4940, 6.7673, 9.1894



23.7182, 11.9030, 15.7565



11.9218, 6.1384, 0.9102



5.9338, 5.8686, 6.7577



11.8856, 5.9593, 8.1444



0.1602, 0.0788, 0.1773

Inverse Universe

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



13.4940, 6.7673, 9.1894



23.7182, 11.9030, 15.7565



14.5707, 22.2746, 26.0254



5.9338, 5.8686, 6.7577



11.8856, 5.9593, 8.1444



0.1602, 0.0788, 0.1773

Previews

White Background



This preview shows how the XYZ color 13.4938, 6.7669, 9.1893 looks on a white background.

Color Contrast Check

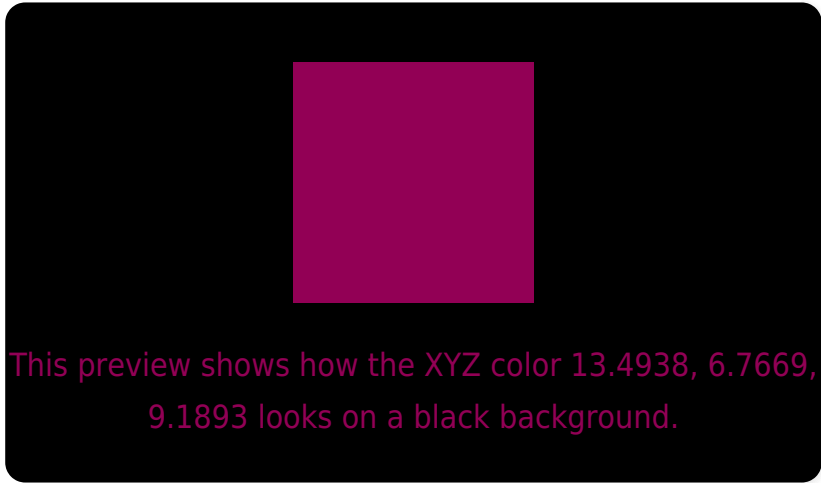
Large Text (above 18pt) WCAG AA ✓ Pass

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

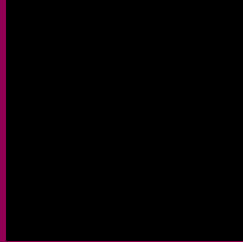
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4938, 6.7669, 9.1893

Background



This preview shows how black text looks on a background with the XYZ color 13.4938, 6.7669, 9.1893.



This preview shows how white text looks on a background with the XYZ color 13.4938, 6.7669, 9.1893.

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

13.4938, 6.7669, 9.1893

Protanopia

7.8326, 7.3671, 19.4215

Deuteranopia

7.4273, 7.3011, 8.4149



Tritanopia

12.1885, 7.0992, 2.2413

Trichromacy



Original Color

13.4938, 6.7669, 9.1893

Protanomaly

8.1317, 5.4422, 15.0899

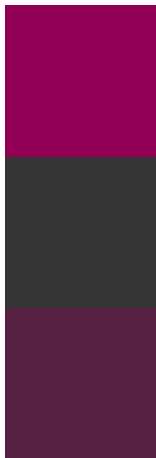
Deuteranomaly

8.4456, 5.6913, 8.4380

Tritanomaly

12.4311, 6.7602, 4.0178

Monochromacy



Original Color

13.4938, 6.7669, 9.1893

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.4566, 3.5519, 5.3990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4938, 6.7669, 9.1893 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(146, 0, 85)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 85) }
```

Border

The CSS property to change the border of an element to XYZ 13.4938, 6.7669, 9.1893 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(146, 0, 85) }
```


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

```
.border{ border-color:rgb(146, 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(146, 0, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(146, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4938, 6.7669, 9.1893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 0, 85) }
```

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

```
.background{ background-color: rgb(146, 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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