

Converting Colors

XYZ(13.4899, 6.9223, 2.0761)

Have a look what the booklet for
XYZ(13.4899, 6.9223, 2.0761)
contains.

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Color

**XYZ(13.4114, 6.8821,
2.0604)**

Conversions

Conversions Part 1

Format	Color
Hex	990021
RGB	153, 0, 33
RGB Percent	60%, 0%, 13%
CMY	0.4000, 0.9999, 0.8706
CMYK	0.00, 1.00, 0.78, 0.40
HSL	347°, 100%, 30%
HSV	347°, 100%, 60%
XYZ	13.4114, 6.8821, 2.0604
YIQ	49.5090, 80.5950, 42.6990

Conversions

Conversions Part 2

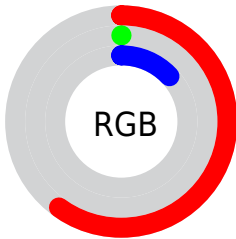
Format	Color
R_{YB}	153, 0, 33
Decimal	10027041
CIE _{Lab}	31.54, 55.40, 28.66
CIE _{LCh}	32, 62.380, 27.356
Yxy	6.8821, 0.6000, 0.3079
Android (android.graphics.Color)	4288217121 (0xFF990021)
YUV	49.5090, -8.1389, 90.7616
Hunter-Lab	26.2338, 45.3449, 13.7070

Details

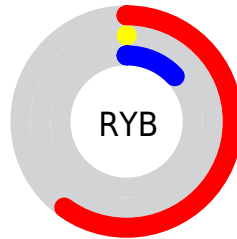
The XYZ color **13.4114, 6.8821, 2.0604** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.7828, 24.1390, 21.6559**, and the grayscale version is **2.9800, 3.1352, 3.4142**.

A 20% lighter version of the original color is **31.4537, 19.5971, 9.1460**, and **4.5142, 2.3272, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **13.4111, 6.8820, 2.0592**, and if you desaturate by 10%, it is **13.7859, 7.3125, 3.1677**.

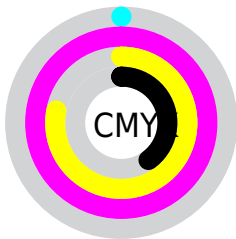
Distribution



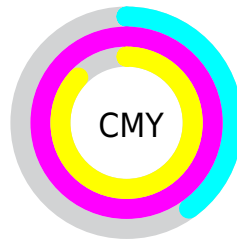
- Red (60%)
- Green (0%)
- Blue (13%)



- Red (60%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (40%)





- Cyan (40%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4114, 6.8821, 2.0604 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 13.4114, 6.8821, 2.0604 by changing the saturation by 10% instead.


 13.4114, 6.8821,
2.0604


 13.4114, 6.8821,
2.0604


207.1225,
166.6804, 123.3077


 7.7914, 3.3885,
0.5920


 31.6360, 19.7356,
9.2053


 4.0124, 1.3378,
0.0000

 44.9713, 29.8643,
15.7647


 1.7092, 0.1702,
0.0000

 61.6091, 42.9735,
24.8736

 0.4620, 0.0000,
0.0000

 81.9147, 59.4476,
36.9504


 0.0000, 0.0000,
0.0000


 106.2534, 79.6709,
52.4136


 134.9908,

104.0279, 71.6819


 168.4920,
132.9029, 95.1738


 13.4114, 6.8821,
2.0604


 13.4114, 6.8821,
2.0604


 13.4111, 6.8820,
2.0592

 13.7859, 7.3125,
3.1677

 14.3556, 8.0280,
4.6643

 15.1851, 9.1498,
6.5969

 16.3028, 10.7276,
8.9973

 17.7334, 12.8037,
11.8946

■ 19.4988, 15.4157,
15.3151

■ 21.6187, 18.5975,
19.2835

■ 24.1115, 22.3803,
23.8225

■ 26.9941, 26.7928,
28.9538

Harmonies

Analogous

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



14.5080, 6.8821, 8.3108



13.4114, 6.8821, 2.0604



10.3220, 6.8821, 0.1292

Triad

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



13.4114, 6.8821, 2.0604



2.6901, 6.8821, 1.5347



6.2695, 6.8821, 40.8725

Complementary

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



13.4114, 6.8821, 2.0604



14.7828, 24.1390, 21.6559

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.



3.8189, 6.8821, 33.1059



13.4114, 6.8821, 2.0604



2.2043, 6.8821, 6.7315

Square

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



13.4114, 6.8821, 2.0604



4.1621, 6.8821, 0.0000



2.5405, 6.8821, 18.4258



9.6884, 6.8821, 35.2769

Rectangle

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



13.4114, 6.8821, 2.0604



7.9380, 6.8821, 0.0000



2.5405, 6.8821, 18.4258



5.3187, 6.8821, 39.6555

Sweetspot

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



13.4116, 6.8825, 2.0605



38.4678, 32.9304, 34.0748



13.4755, 6.2830, 30.6393



8.1576, 6.7649, 6.8989



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.4116, 6.8825, 2.0605



23.9605, 12.3020, 3.3856



14.0141, 8.5267, 0.9078



6.2606, 6.2434, 6.7524



11.0948, 5.6921, 1.7581



0.1774, 0.0897, 0.0869

Inverse Universe

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



13.4116, 6.8825, 2.0605



23.9605, 12.3020, 3.3856



11.2889, 13.3777, 32.1240



6.2606, 6.2434, 6.7524



11.0948, 5.6921, 1.7581



0.1774, 0.0897, 0.0869

Previews

White Background



This preview shows how the XYZ color 13.4114, 6.8821, 2.0604 looks on a white background.

Color Contrast Check

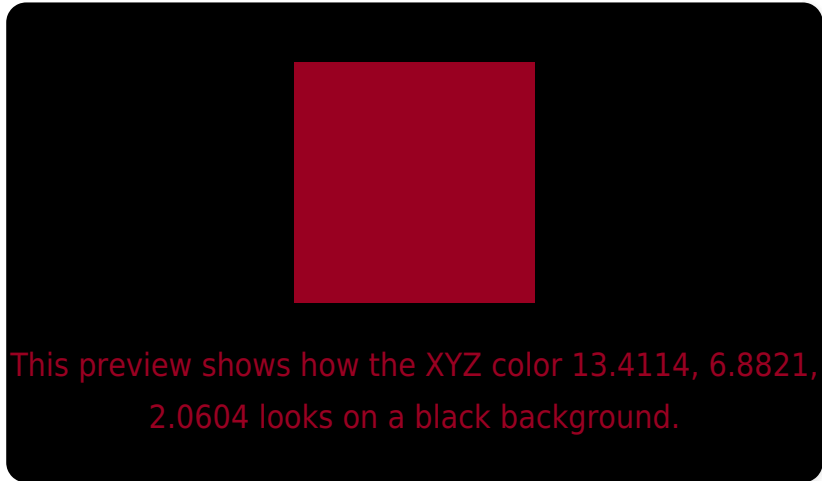
Large Text (above 18pt) WCAG AA ✓ Pass

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

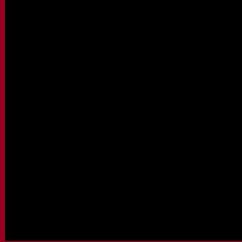
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.4114, 6.8821, 2.0604

Background



This preview shows how black text looks on a background with the XYZ color 13.4114, 6.8821, 2.0604.



This preview shows how white text looks on a background with the XYZ color 13.4114, 6.8821,

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

13.4114, 6.8821, 2.0604

Protanopia

6.9781, 7.5726, 4.2258

Deuteranopia

7.5332, 7.5008, 1.8614



Tritanopia

13.3213, 7.0973, 0.8114

Trichromacy



Original Color

13.4114, 6.8821, 2.0604

Protanomaly

7.9019, 5.7143, 3.0694

Deuteranomaly

8.5505, 5.8941, 1.7239

Tritanomaly

13.3208, 7.0022, 1.1014

Monochromacy



Original Color

13.4114, 6.8821, 2.0604

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.9016, 3.2411, 2.7501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4114, 6.8821, 2.0604 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(153, 0, 33)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 33)  
}
```

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(153, 0, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 33) }
```

Border

The CSS property to change the border of an element to XYZ 13.4114, 6.8821, 2.0604 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(153, 0, 33) }
```


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

```
.border{ border-color:rgb(153, 0, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 0, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 33);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 33)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.4114, 6.8821, 2.0604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 33) }
```

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

```
.background{ background-color: rgb(153, 0,  
33) }
```

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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