

Converting Colors

XYZ(13.8606, 8.2198, 0.8560)

Have a look what the booklet for
XYZ(13.8606, 8.2198, 0.8560)
contains.

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Color

**XYZ(13.8624, 8.2233,
0.8566)**

Conversions

Conversions Part 1

Format	Color
Hex	992700
RGB	153, 39, 0
RGB Percent	60%, 15%, 0%
CMY	0.4000, 0.8470, 1.0000
CMYK	0.00, 0.75, 1.00, 0.40
HSL	15°, 100%, 30%
HSV	15°, 100%, 60%
XYZ	13.8624, 8.2233, 0.8566
YIQ	68.6400, 80.4630, 12.0390

Conversions

Conversions Part 2

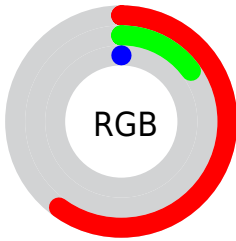
Format	Color
R_{YB}	153, 52, 0
Decimal	10036992
CIE Lab	34.44, 45.76, 47.13
CIE LCh	34, 65.693, 45.847
Yxy	8.2233, 0.6042, 0.3584
Android (android.graphics.Color)	4288227072 (0xFF992700)
YUV	68.6400, -33.8395, 73.9837
Hunter-Lab	28.6763, 36.1051, 18.3023

Details

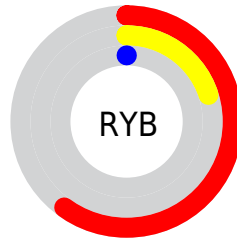
The XYZ color **13.8624, 8.2233, 0.8566** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.7662, 14.3329, 32.2832**, and the grayscale version is **5.6425, 5.9364, 6.4647**.

A 20% lighter version of the original color is **32.4272, 22.3317, 5.6190**, and **4.5142, 2.3272, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **13.8626, 8.2238, 0.8567**, and if you desaturate by 10%, it is **14.3833, 9.1238, 1.4662**.

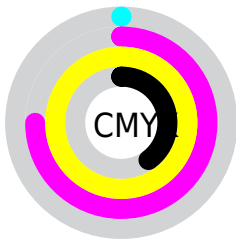
Distribution



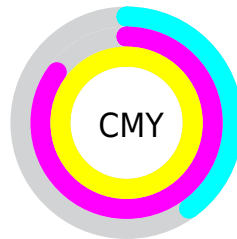
- Red (60%)
- Green (15%)
- Blue (0%)



- Red (60%)
- Yellow (20%)
- Blue (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (100%)
- Black (40%)





- Cyan (40%)
- Magenta (85%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8624, 8.2233, 0.8566 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 13.8624, 8.2233, 0.8566 by changing the saturation by 10% instead.


 13.8624, 8.2233,
0.8566


 13.8624, 8.2233,
0.8566


 209.9009,
177.4731, 100.9362


 8.1061, 4.2382,
0.0000


 32.4330, 22.3950,
5.5874


 4.2153, 1.8077,
0.0000

 45.9780, 33.3505,
10.4478


 1.8246, 0.4919,
0.0000

 62.8499, 47.3981,
17.5309

 0.5324, 0.0000,
0.0000


 83.4141, 64.9223,
27.2553


 0.0000, 0.0000,
0.0000

 108.0359, 86.3075,
40.0395


 137.0808,


111.9381, 56.3020


 170.9140,
142.1985, 76.4614


 13.8624, 8.2233,
0.8566


 13.8624, 8.2233,
0.8566


 13.8626, 8.2238,
0.8567

 14.3833, 9.1238,
1.4662

 15.0910, 10.2933,
2.4603

 16.0240, 11.7608,
4.0000

 17.2020, 13.5462,
6.1512

 18.6420, 15.6675,
8.9706

■ 20.3596, 18.1411,
12.5080

■ 22.3692, 20.9825,
16.8086

■ 24.6840, 24.2063,
21.9139

■ 27.3162, 27.8259,
27.8623

Harmonies

Analogous

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



16.8040, 8.2233, 4.4777



13.8624, 8.2233, 0.8566



9.6794, 8.2233, 0.0000

Triad

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



13.8624, 8.2233, 0.8566



2.7625, 8.2233, 4.8525



9.9145, 8.2233, 46.0900

Complementary

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



13.8624, 8.2233, 0.8566



11.7662, 14.3329, 32.2832

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.



6.2085, 8.2233, 46.5541



13.8624, 8.2233, 0.8566



2.7897, 8.2233, 15.7153

Square

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



13.8624, 8.2233, 0.8566



3.7553, 8.2233, 0.9526



3.8468, 8.2233, 32.8252



14.0804, 8.2233, 31.8275

Rectangle

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



13.8624, 8.2233, 0.8566



7.1163, 8.2233, 0.0000



3.8468, 8.2233, 32.8252



8.5601, 8.2233, 48.1027

Sweetspot

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



13.8626, 8.2238, 0.8567



39.8325, 37.2569, 29.6062



16.2169, 8.0043, 16.8345



8.4782, 7.7799, 5.8530



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.



13.8626, 8.2238, 0.8567



24.6978, 14.4708, 1.4914



19.2391, 18.9768, 2.6489



6.3305, 6.4660, 6.5203



11.4809, 6.8443, 0.7160



0.1976, 0.1542, 0.0194

Inverse Universe

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



11.7662, 14.3329, 32.2832



20.9170, 25.3585, 57.7642



6.4509, 3.7022, 30.5114



6.2512, 6.7598, 7.9043



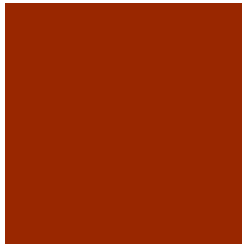
9.7522, 11.9011, 26.6908



0.1742, 0.2346, 0.4085

Previews

White Background



This preview shows how the XYZ color 13.8624, 8.2233, 0.8566 looks on a white background.

Color Contrast Check

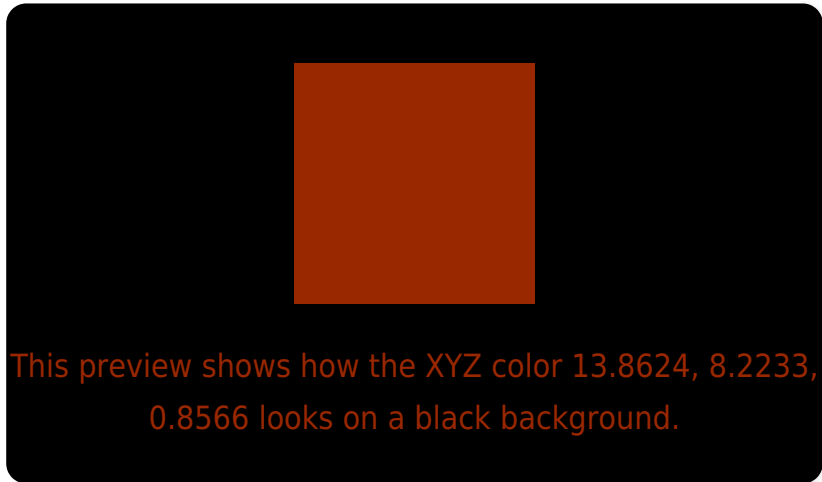
Large Text (above 18pt) WCAG AA ✓ Pass

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

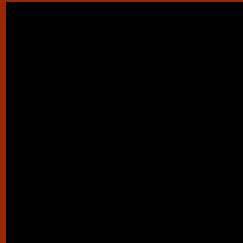
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8624, 8.2233, 0.8566

Background



This preview shows how black text looks on a background with the XYZ color 13.8624, 8.2233, 0.8566.



This preview shows how white text looks on a background with the XYZ color 13.8624, 8.2233,

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

13.8624, 8.2233, 0.8566

Protanopia

7.7086, 8.5541, 1.7751

Deuteranopia

8.4333, 8.3918, 1.1753



Tritanopia

14.1017, 8.1676, 2.5835

Trichromacy



Original Color

13.8624, 8.2233, 0.8566

Protanomaly

9.1378, 7.6833, 1.3180

Deuteranomaly

9.8594, 7.8044, 0.9867

Tritanomaly

13.9633, 8.1614, 1.7035

Monochromacy



Original Color

13.8624, 8.2233, 0.8566

Achromatopsia

5.6565, 5.9511, 6.4808

Achromatomaly

7.2232, 5.9173, 3.1443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8624, 8.2233, 0.8566 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, 39, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 39, 0)  
}
```

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, 39, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 39, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.8624, 8.2233, 0.8566 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, 39, 0) }
```


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

```
.border{ border-color:rgb(153, 39, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 39, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 39, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 39, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 39, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.8624, 8.2233, 0.8566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 39, 0) }
```

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

```
.background{ background-color: rgb(153, 39,  
0) }
```

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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