

Converting Colors

XYZ(13.2245, 8.3195, 0.9094)

Have a look what the booklet for
XYZ(13.2245, 8.3195, 0.9094)
contains.

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Color

**XYZ(13.2293, 8.3289,
0.9104)**

Conversions

Conversions Part 1

Format	Color
Hex	942F00
RGB	148, 47, 0
RGB Percent	58%, 18%, 0%
CMY	0.4196, 0.8157, 1.0000
CMYK	0.00, 0.68, 1.00, 0.42
HSL	19°, 100%, 29%
HSV	19°, 100%, 58%
XYZ	13.2293, 8.3289, 0.9104
YIQ	71.8410, 75.2830, 6.7950

Conversions

Conversions Part 2

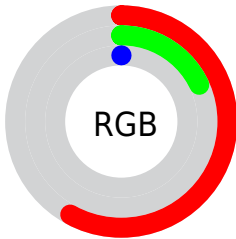
Format	Color
R_{YB}	148, 69, 0
Decimal	9711360
CIE Lab	34.66, 40.76, 46.73
CIE LCh	35, 62.015, 48.903
Yxy	8.3289, 0.5888, 0.3707
Android (android.graphics.Color)	4287901440 (0xFF942F00)
YUV	71.8410, -35.4176, 66.7914
Hunter-Lab	28.8598, 31.3194, 18.3315

Details

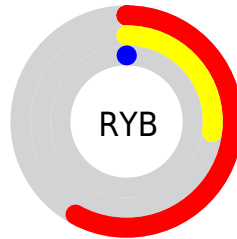
The XYZ color **13.2293, 8.3289, 0.9104** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.9986, 11.4448, 29.6990**, and the grayscale version is **6.1825, 6.5045, 7.0834**.

A 20% lighter version of the original color is **31.2379, 22.5210, 5.7182**, and **4.1198, 2.1238, 0.1928** is the 20% darker color. If you saturate the color by 10%, you get **13.2294, 8.3293, 0.9104**, and if you desaturate by 10%, it is **13.7659, 9.2665, 1.5077**.

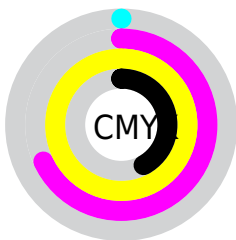
Distribution



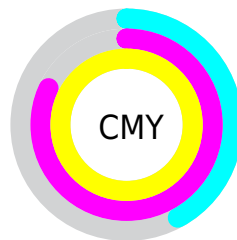
- Red (58%)
- Green (18%)
- Blue (0%)



- Red (58%)
- Yellow (27%)
- Blue (0%)



- Cyan (0%)
- Magenta (68%)
- Yellow (100%)
- Black (42%)





- Cyan (42%)
- Magenta (82%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2293, 8.3289, 0.9104 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 13.2293, 8.3289, 0.9104 by changing the saturation by 10% instead.


 13.2293, 8.3289,
0.9104

 13.2293, 8.3289,
0.9104


 205.9901,
178.2895, 102.1358


 7.6647, 4.3061,
0.0000


 31.3129, 22.6007,
5.7628


 3.9312, 1.8462,
0.0000

 44.5627, 33.6186,
10.7135


 1.6633, 0.5157,
0.0000

 61.1049, 47.7369,
17.9055

 0.4331, 0.0000,
0.0000

 81.3049, 65.3401,
27.7576


 0.0000, 0.0000,
0.0000

 105.5281, 86.8125,
40.6881


 134.1398,


112.5387, 57.1156


 167.5053,
142.9028, 77.4587


 13.2293, 8.3289,
0.9104


 13.2293, 8.3289,
0.9104


 13.2294, 8.3293,
0.9104

 13.7659, 9.2665,
1.5077

 14.4614, 10.4263,
2.4521

 15.3502, 11.8312,
3.8973

 16.4484, 13.4958,
5.9032

 17.7702, 15.4331,
8.5212

■ 19.3284, 17.6554,
11.7968

■ 21.1347, 20.1743,
15.7711

■ 23.2001, 23.0003,
20.4818

■ 25.5347, 26.1437,
25.9640

Harmonies

Analogous

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



16.1657, 8.3289, 4.1398



13.2293, 8.3289, 0.9104



9.2868, 8.3289, 0.0000

Triad

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



13.2293, 8.3289, 0.9104



2.9708, 8.3289, 5.8357



10.3087, 8.3289, 42.3687

Complementary

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



13.2293, 8.3289, 0.9104



9.9986, 11.4448, 29.6990

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.



6.6878, 8.3289, 44.2995



13.2293, 8.3289, 0.9104



3.0962, 8.3289, 16.8767

Square

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



13.2293, 8.3289, 0.9104



3.8437, 8.3289, 1.3753



4.2589, 8.3289, 32.8045



14.1649, 8.3289, 28.6149

Rectangle

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



13.2293, 8.3289, 0.9104



6.9177, 8.3289, 0.0000



4.2589, 8.3289, 32.8045



9.0068, 8.3289, 44.6703

Sweetspot

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



13.2295, 8.3294, 0.9105



37.0872, 35.3146, 27.3703



14.5683, 7.2381, 12.9756



8.1779, 7.6615, 5.6075



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.



13.2295, 8.3294, 0.9105



23.2037, 14.4187, 1.5601



19.0339, 19.9383, 2.8453



5.9422, 6.0982, 6.1043



11.3224, 7.1593, 0.7851



0.1628, 0.1361, 0.0177

Inverse Universe

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



9.9986, 11.4448, 29.6990



17.4821, 19.8738, 52.3492



5.7404, 2.9282, 28.2796



5.8104, 6.2547, 7.3708



8.5655, 9.8258, 25.3762



0.1314, 0.1735, 0.3195

Previews

White Background



This preview shows how the XYZ color 13.2293, 8.3289, 0.9104 looks on a white background.

Color Contrast Check

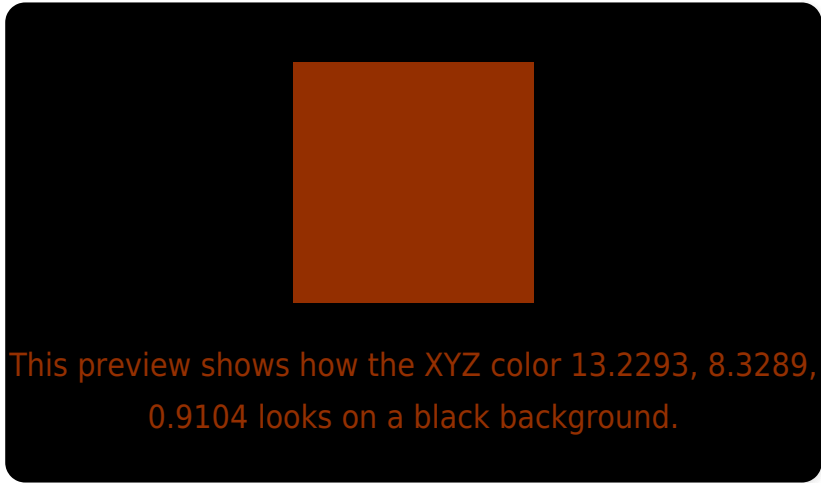
Large Text (above 18pt) WCAG AA ✓ Pass

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

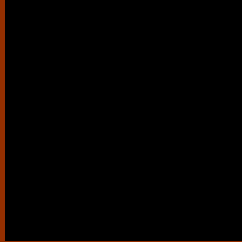
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2293, 8.3289, 0.9104

Background



This preview shows how black text looks on a background with the XYZ color 13.2293, 8.3289, 0.9104.



This preview shows how white text looks on a background with the XYZ color 13.2293, 8.3289,

0.9104.

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

13.2293, 8.3289, 0.9104

Protanopia

7.7010, 8.5511, 1.7348

Deuteranopia

8.5049, 8.5350, 1.1992



Tritanopia

13.7883, 8.3882, 3.4771

Trichromacy



Original Color

13.2293, 8.3289, 0.9104

Protanomaly

9.0550, 7.9129, 1.3373

Deuteranomaly

9.7529, 8.0074, 1.0315

Tritanomaly

13.5546, 8.3550, 2.0607

Monochromacy



Original Color

13.2293, 8.3289, 0.9104

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.5262, 6.4616, 3.4353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2293, 8.3289, 0.9104 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, 47, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 47, 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(148, 47, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 47, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.2293, 8.3289, 0.9104 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, 47, 0) }
```


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

```
.border{ border-color:rgb(148, 47, 0) }
```

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

Here you see how a box with a 4 pixel rgb(148, 47, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 47, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 47, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 47, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.2293, 8.3289, 0.9104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 47, 0) }
```

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

```
.background{ background-color: rgb(148, 47,  
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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