

Converting Colors

XYZ(13.1162, 8.8938, 2.9065)

Have a look what the booklet for
XYZ(13.1162, 8.8938, 2.9065)
contains.

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Color

**XYZ(13.1570, 8.9124,
2.9463)**

Conversions

Conversions Part 1

Format	Color
Hex	8F3927
RGB	143, 57, 39
RGB Percent	56%, 22%, 15%
CMY	0.4392, 0.7764, 0.8471
CMYK	0.00, 0.60, 0.73, 0.44
HSL	10°, 57%, 36%
HSV	10°, 73%, 56%
XYZ	13.1570, 8.9124, 2.9463
YIQ	80.6620, 57.0340, 12.6340

Conversions

Conversions Part 2

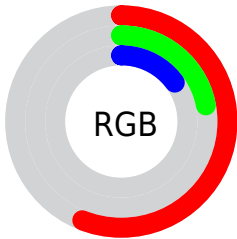
Format	Color
R_{YB}	143, 61, 39
Decimal	9386279
CIE _{Lab}	35.82, 35.31, 29.29
CIE _{LCh}	36, 45.877, 39.681
Yxy	8.9124, 0.5259, 0.3563
Android (android.graphics.Color)	4287576359 (0xFF8F3927)
YUV	80.6620, -20.5394, 54.6704
Hunter-Lab	29.8536, 26.4241, 15.0461

Details

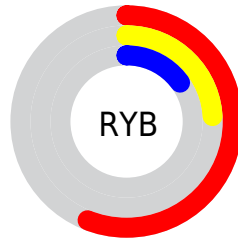
The XYZ color **13.1570, 8.9124, 2.9463** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **13.1275, 17.0803, 28.5912**, and the grayscale version is **7.7861, 8.1916, 8.9207**.

A 20% lighter version of the original color is **31.2545, 23.7278, 11.5270**, and **3.9630, 2.0914, 0.1948** is the 20% darker color. If you saturate the color by 10%, you get **12.4452, 7.7991, 1.7523**, and if you desaturate by 10%, it is **14.0948, 10.3348, 4.6565**.

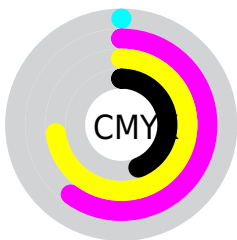
Distribution



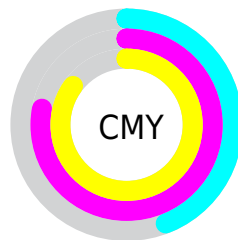
- Red (56%)
- Green (22%)
- Blue (15%)



- Red (56%)
- Yellow (24%)
- Blue (15%)



- Cyan (0%)
- Magenta (60%)
- Yellow (73%)
- Black (44%)





- Cyan (44%)
- Magenta (78%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1570, 8.9124, 2.9463 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 13.1570, 8.9124, 2.9463 by changing the saturation by 10% instead.


 13.1570, 8.9124,
2.9463


 13.1570, 8.9124,
2.9463


205.5387,
182.7230, 135.6737


 7.6145, 4.6841,
1.0673


 31.1845, 23.7287,
11.4956


 3.8990, 2.0631,
0.0000

 44.4001, 35.0854,
19.0030


 1.6452, 0.6438,
0.0000

 60.9043, 49.5870,
29.2236

 0.4216, 0.0000,
0.0000

 81.0622, 67.6180,
42.5760

 0.0000, 0.0000,
0.0000

 105.2392, 89.5627,
59.4786

 133.8007,

115.8055, 80.3501

167.1121,
146.7308, 105.6090

13.1570, 8.9124,
2.9463

13.1570, 8.9124,
2.9463

12.4452, 7.7991,
1.7523

14.0948, 10.3348,
4.6565

11.9384, 6.9700,
1.0149

15.2756, 12.0857,
6.9329

11.6700, 6.5245,
0.6443

16.7155, 14.1847,
9.8198

18.4290, 16.6495,
13.3572

20.4294, 19.4964,
17.5816

■ 22.7293, 22.7408,
22.5268

■ 25.3404, 26.3972,
28.2242

■ 28.2738, 30.4795,
34.7036

■ 31.5402, 35.0008,
41.9931

Harmonies

Analogous

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



14.7290, 8.9124, 7.4010



13.1570, 8.9124, 2.9463



10.4160, 8.9124, 1.3522

Triad

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



13.1570, 8.9124, 2.9463



4.4581, 8.9124, 5.3834



9.3794, 8.9124, 33.1600

Complementary

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



13.1570, 8.9124, 2.9463



13.1275, 17.0803, 28.5912

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.



6.7845, 8.9124, 31.5588



13.1570, 8.9124, 2.9463



4.2968, 8.9124, 12.4413

Square

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



13.1570, 8.9124, 2.9463



5.5560, 8.9124, 2.1466



5.0552, 8.9124, 22.7217



12.2603, 8.9124, 26.3561

Rectangle

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



13.1570, 8.9124, 2.9463



8.5001, 8.9124, 1.1173



5.0552, 8.9124, 22.7217



8.4419, 8.9124, 33.6448

Sweetspot

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



13.1572, 8.9129, 2.9464



36.6871, 35.0581, 31.7010



15.7975, 8.7884, 20.4896



8.2050, 7.7445, 6.8268



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.



13.1572, 8.9129, 2.9464



21.6917, 13.0019, 2.2414



17.0916, 16.7816, 4.2579



5.4797, 5.5657, 5.6748



10.3302, 5.7921, 0.5735



0.1101, 0.0781, 0.0093

Inverse Universe

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



13.1275, 17.0803, 28.5912



21.5063, 28.2402, 50.8554



8.2212, 7.2677, 26.9558



5.4819, 5.9597, 6.8902



10.1506, 13.2872, 25.0068



0.1106, 0.1541, 0.2436

Previews

White Background



This preview shows how the XYZ color 13.1570, 8.9124, 2.9463 looks on a white background.

Color Contrast Check

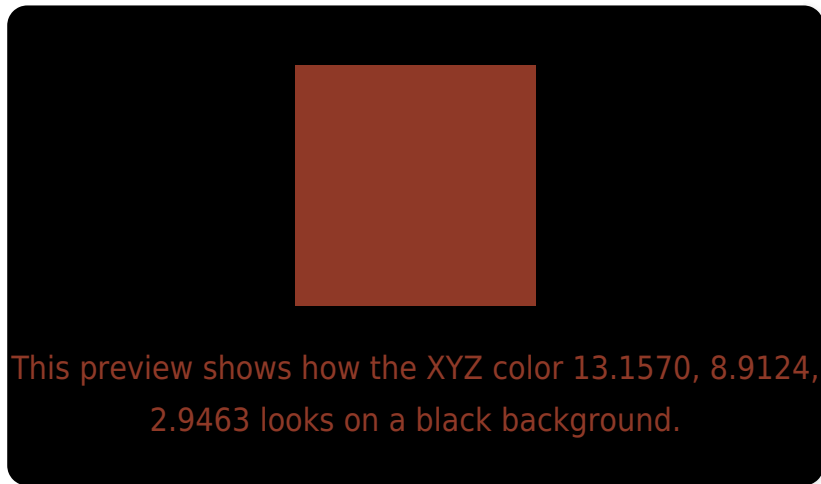
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1570, 8.9124, 2.9463

Background



This preview shows how black text looks on a background with the XYZ color 13.1570, 8.9124, 2.9463.



This preview shows how white text looks on a background with the XYZ color 13.1570, 8.9124,

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

13.1570, 8.9124, 2.9463

Protanopia

8.2962, 9.0376, 4.1035

Deuteranopia

9.1750, 9.0645, 2.7794



Tritanopia

13.6315, 8.9672, 5.0154

Trichromacy



Original Color

13.1570, 8.9124, 2.9463

Protanomaly

9.5453, 8.6011, 3.6397

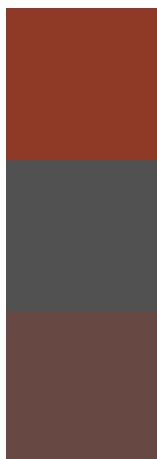
Deuteranomaly

10.2436, 8.6840, 2.8054

Tritanomaly

13.5133, 8.9967, 4.1563

Monochromacy



Original Color

13.1570, 8.9124, 2.9463

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.0097, 7.9711, 6.2180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1570, 8.9124, 2.9463 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(143, 57, 39)` looks like.

```
.text, #text, p{  
  color:rgb(143, 57, 39)  
}
```

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(143, 57, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 57, 39) }
```

Border

The CSS property to change the border of an element to XYZ 13.1570, 8.9124, 2.9463 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(143, 57, 39) }
```


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

```
.border{ border-color:rgb(143, 57, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 57, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 57, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 57, 39);  
box-shadow:4px 4px 4px 4px rgb(143, 57,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1570, 8.9124, 2.9463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 57, 39) }
```

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

```
.background{ background-color: rgb(143, 57,  
39) }
```

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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