

Converting Colors

XYZ(14.5438, 9.2023, 2.2785)

Have a look what the booklet for
XYZ(14.5438, 9.2023, 2.2785)
contains.

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Color

**XYZ(14.5680, 9.2389,
2.3118)**

Conversions

Conversions Part 1

Format	Color
Hex	99331F
RGB	153, 51, 31
RGB Percent	60%, 20%, 12%
CMY	0.4000, 0.8000, 0.8784
CMYK	0.00, 0.67, 0.80, 0.40
HSL	10°, 66%, 36%
HSV	10°, 80%, 60%
XYZ	14.5680, 9.2389, 2.3118
YIQ	79.2180, 67.2120, 15.4040

Conversions

Conversions Part 2

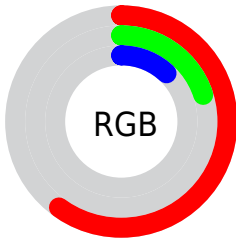
Format	Color
R_{YB}	153, 55, 31
Decimal	10040095
CIE _{Lab}	36.44, 41.55, 35.03
CIE _{LCh}	36, 54.346, 40.139
Yxy	9.2389, 0.5578, 0.3537
Android (android.graphics.Color)	4288230175 (0xFF99331F)
YUV	79.2180, -23.7715, 64.7068
Hunter-Lab	30.3956, 32.3593, 16.7675

Details

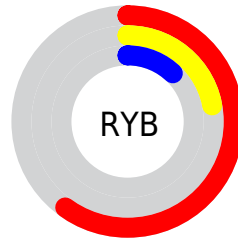
The XYZ color **14.5680, 9.2389, 2.3118** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.7014, 19.3644, 33.0995**, and the grayscale version is **7.5094, 7.9005, 8.6036**.

A 20% lighter version of the original color is **33.6304, 24.3825, 9.9549**, and **4.7193, 2.4329, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **13.9281, 8.2088, 1.3289**, and if you desaturate by 10%, it is **15.4579, 10.6159, 3.8503**.

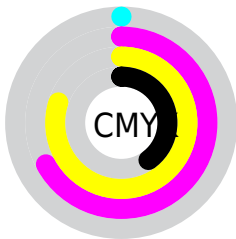
Distribution



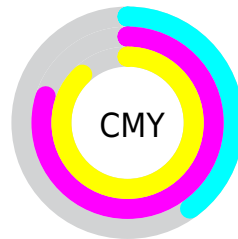
- Red (60%)
- Green (20%)
- Blue (12%)



- Red (60%)
- Yellow (22%)
- Blue (12%)



- Cyan (0%)
- Magenta (67%)
- Yellow (80%)
- Black (40%)



- Cyan (40%)
- Magenta (80%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5680, 9.2389, 2.3118 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 14.5680, 9.2389, 2.3118 by changing the saturation by 10% instead.

■ 14.5680, 9.2389,
2.3118

■ 14.5680, 9.2389,
2.3118

214.1770,
185.1502, 127.0446

■ 8.6011, 4.8973,
0.7378

■ 33.6714, 24.3537,
9.8769

■ 4.5369, 2.1871,
0.0000

■ 47.5387, 35.8958,
16.7224

■ 2.0102, 0.7130,
0.0000

■ 64.7701, 50.6069,
26.1680

■ 0.6397, 0.0000,
0.0000

■ 85.7310, 68.8712,
38.6320


■ 0.0000, 0.0000,
0.0000

■ 110.7868, 91.0734,
54.5332


■ 140.3028,


117.5977, 74.2900

 174.6444,
148.8285, 98.3210


 14.5680, 9.2389,
2.3118


 14.5680, 9.2389,
2.3118


 13.9281, 8.2088,
1.3289


 15.4579, 10.6159,
3.8503


 13.4957, 7.4867,
0.7453

 16.6205, 12.3661,
6.0111

 13.4863, 7.4713,
0.7313

 18.0769, 14.5148,
8.8517

 19.8455, 17.0848,
12.4230

 21.9434, 20.0971,
16.7710

■ 24.3864, 23.5712,
21.9379

■ 27.1892, 27.5256,
27.9628

■ 30.3657, 31.9775,
34.8825

■ 33.9291, 36.9437,
42.7313

Harmonies

Analogous

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



16.6083, 9.2389, 7.1924



14.5680, 9.2389, 2.3118



11.1138, 9.2389, 0.8190

Triad

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



14.5680, 9.2389, 2.3118



4.0697, 9.2389, 5.0696



9.9441, 9.2389, 40.5653

Complementary

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



14.5680, 9.2389, 2.3118



14.7014, 19.3644, 33.0995

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.



6.8004, 9.2389, 38.5825



14.5680, 9.2389, 2.3118



3.9056, 9.2389, 13.6025

Square

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



14.5680, 9.2389, 2.3118



5.2984, 9.2389, 1.5883



4.7746, 9.2389, 26.8693



13.5299, 9.2389, 31.2756

Rectangle

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



14.5680, 9.2389, 2.3118



8.7660, 9.2389, 0.5930



4.7746, 9.2389, 26.8693



8.7966, 9.2389, 41.2870

Sweetspot

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



14.5682, 9.2394, 2.3119



41.5227, 39.1617, 34.7185



17.9788, 9.4931, 23.6957



8.8589, 8.2063, 7.0128



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.



14.5682, 9.2394, 2.3119



24.3046, 13.6146, 1.5753



18.9924, 18.0879, 3.7867



6.2866, 6.3783, 6.5056



11.1638, 6.2100, 0.6102



0.1850, 0.1291, 0.0152

Inverse Universe

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



14.7014, 19.3644, 33.0995



24.3234, 32.0235, 58.8711



8.7436, 7.4488, 31.1136



6.2983, 6.8540, 7.9200



11.1426, 14.6820, 27.1543



0.1868, 0.2600, 0.4127

Previews

White Background



This preview shows how the XYZ color 14.5680, 9.2389, 2.3118 looks on a white background.

Color Contrast Check

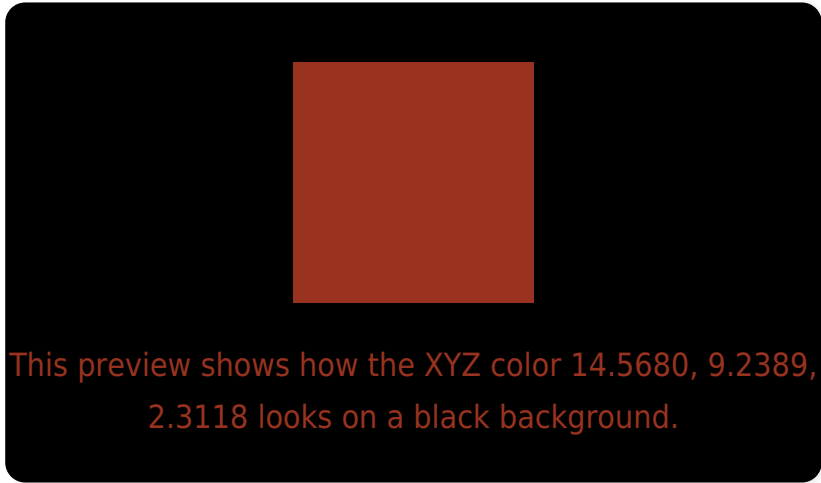
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5680, 9.2389, 2.3118

Background



This preview shows how black text looks on a background with the XYZ color 14.5680, 9.2389, 2.3118.



This preview shows how white text looks on a background with the XYZ color 14.5680, 9.2389,

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

14.5680, 9.2389, 2.3118

Protanopia

8.6323, 9.4633, 3.4694

Deuteranopia

9.4688, 9.3437, 2.0635



Tritanopia

15.0223, 9.3057, 4.1364

Trichromacy



Original Color

14.5680, 9.2389, 2.3118

Protanomaly

10.1188, 8.8130, 2.9180

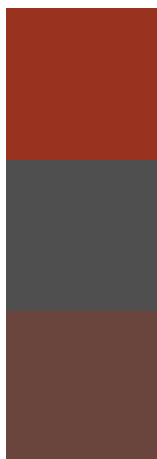
Deuteranomaly

10.8862, 8.9366, 2.0709

Tritanomaly

14.9217, 9.3331, 3.3979

Monochromacy



Original Color

14.5680, 9.2389, 2.3118

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

8.9415, 7.6682, 5.5663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5680, 9.2389, 2.3118 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, 51, 31)` looks like.

```
.text, #text, p{  
    color:rgb(153, 51, 31)  
}
```

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, 51, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 51, 31) }
```

Border

The CSS property to change the border of an element to XYZ 14.5680, 9.2389, 2.3118 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, 51, 31) }
```


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

```
.border{ border-color:rgb(153, 51, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 51, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 51, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 51, 31);  
box-shadow:4px 4px 4px 4px rgb(153, 51,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5680, 9.2389, 2.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 51, 31) }
```

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

```
.background{ background-color: rgb(153, 51,  
31) }
```

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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