

Converting Colors

XYZ(13.9837, 8.0113, 2.2980)

Have a look what the booklet for
XYZ(13.9837, 8.0113, 2.2980)
contains.

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Color

**XYZ(13.9976, 8.0319,
2.3259)**

Conversions

Conversions Part 1

Format	Color
Hex	992222
RGB	153, 34, 34
RGB Percent	60%, 13%, 13%
CMY	0.4000, 0.8666, 0.8667
CMYK	0.00, 0.78, 0.78, 0.40
HSL	0°, 64%, 37%
HSV	0°, 78%, 60%
XYZ	13.9976, 8.0319, 2.3259
YIQ	69.5810, 70.9240, 25.2280

Conversions

Conversions Part 2

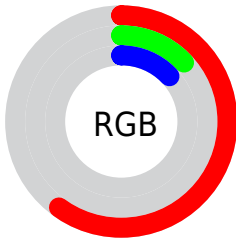
Format	Color
RYB	153, 34, 34
Decimal	10035746
CIELab	34.05, 48.31, 30.80
CIElCh	34, 57.295, 32.516
Yxy	8.0319, 0.5747, 0.3298
Android (android.graphics.Color)	4288225826 (0xFF992222)
YUV	69.5810, -17.5414, 73.1585
Hunter-Lab	28.3406, 38.5662, 14.9725

Details

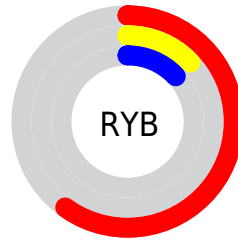
The XYZ color **13.9976, 8.0319, 2.3259** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.7987, 25.4187, 34.1048**, and the grayscale version is **5.7727, 6.0733, 6.6138**.

A 20% lighter version of the original color is **32.7152, 22.0054, 9.9203**, and **4.6161, 2.3797, 0.2160** is the 20% darker color. If you saturate the color by 10%, you get **13.4797, 7.2743, 1.2964**, and if you desaturate by 10%, it is **14.8087, 9.2191, 3.9380**.

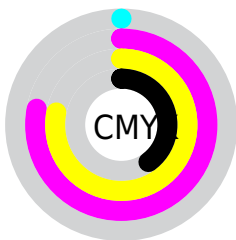
Distribution



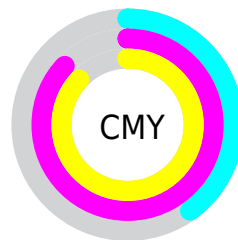
- Red (60%)
- Green (13%)
- Blue (13%)



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



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




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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9976, 8.0319, 2.3259 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 13.9976, 8.0319, 2.3259 by changing the saturation by 10% instead.


 13.9976, 8.0319,
2.3259


 13.9976, 8.0319,
2.3259


210.7268,
175.9820, 127.2482


 8.2007, 4.1154,
0.7457


 32.6711, 22.0210,
9.9140


 4.2765, 1.7383,
0.0000

 46.2783, 32.8623,
16.7751


 1.8597, 0.4483,
0.0000

 63.2198, 46.7806,
26.2390

 0.5533, 0.0000,
0.0000


 83.8607, 64.1604,
38.7241


 0.0000, 0.0000,
0.0000

 108.5665, 85.3861,
54.6490

 137.7026,


110.8420, 74.4323


 171.6342,
140.9125, 98.4925


 13.9976, 8.0319,
2.3259


 13.9976, 8.0319,
2.3259


 13.4797, 7.2743,
1.2964


 14.8087, 9.2191,
3.9380


 13.1924, 6.8538,
0.7252

 15.9472, 10.8850,
6.2010

 13.1369, 6.7725,
0.6148

 17.4428, 13.0735,
9.1741

 19.3221, 15.8235,
12.9100

 21.6089, 19.1697,
17.4561

■ 24.3252, 23.1445,
22.8562

■ 27.4915, 27.7777,
29.1508

■ 31.1269, 33.0972,
36.3779

■ 35.2493, 39.1293,
44.5734

Harmonies

Analogous

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



15.4658, 8.0319, 8.0027



13.9976, 8.0319, 2.3259



10.7993, 8.0319, 0.5507

Triad

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



13.9976, 8.0319, 2.3259



3.4095, 8.0319, 2.9179



7.9042, 8.0319, 40.2454

Complementary

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



13.9976, 8.0319, 2.3259



17.7987, 25.4187, 34.1048

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.



5.1570, 8.0319, 35.0899



13.9976, 8.0319, 2.3259



3.0271, 8.0319, 9.5327

Square

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



13.9976, 8.0319, 2.3259



4.8090, 8.0319, 0.7265



3.5679, 8.0319, 21.8491



11.3927, 8.0319, 33.1940

Rectangle

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



13.9976, 8.0319, 2.3259



8.4540, 8.0319, 0.1327



3.5679, 8.0319, 21.8491



6.8689, 8.0319, 39.8824

Sweetspot

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



13.9978, 8.0324, 2.3260



40.7060, 37.2673, 35.2512



19.4584, 10.2162, 31.0830



8.6437, 7.7248, 7.0988



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.



13.9978, 8.0324, 2.3260



23.7616, 12.4724, 1.5678



17.3838, 14.8044, 3.4547



6.2088, 6.2228, 6.4797



10.8575, 5.5975, 0.5082



0.1623, 0.0837, 0.0076

Inverse Universe

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



17.7987, 25.4187, 34.1048



30.8737, 45.0048, 61.0316



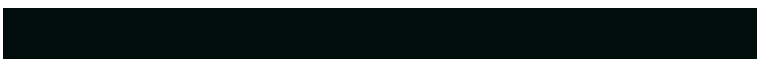
10.3677, 10.5567, 31.6278



6.3846, 7.0265, 7.9487



14.1649, 20.7265, 28.1617



0.2118, 0.3099, 0.4210

Previews

White Background



This preview shows how the XYZ color 13.9976, 8.0319, 2.3259 looks on a white background.

Color Contrast Check

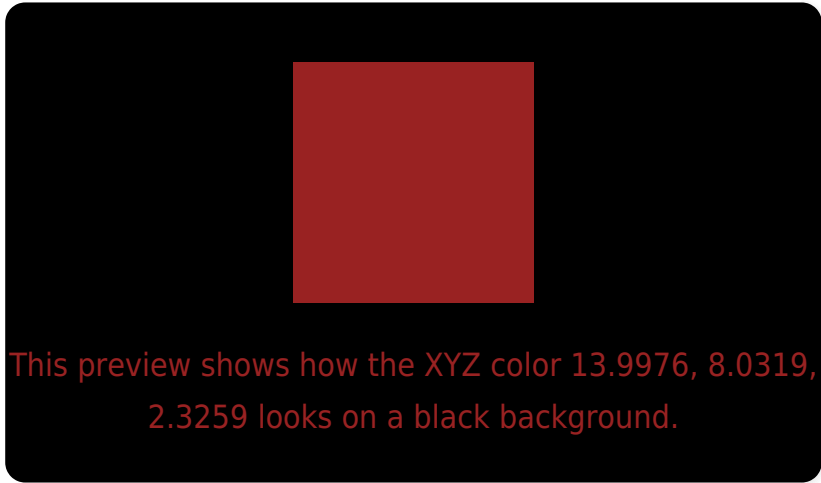
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9976, 8.0319, 2.3259

Background



This preview shows how black text looks on a background with the XYZ color 13.9976, 8.0319, 2.3259.



This preview shows how white text looks on a background with the XYZ color 13.9976, 8.0319,

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

13.9976, 8.0319, 2.3259

Protanopia

7.6706, 8.3718, 4.0079

Deuteranopia

8.3088, 8.2027, 2.0651



Tritanopia

13.9976, 8.0319, 2.3259

Trichromacy



Original Color

13.9976, 8.0319, 2.3259

Protanomaly

9.0084, 7.3998, 3.2390

Deuteranomaly

9.7635, 7.4863, 2.0290

Tritanomaly

13.9976, 8.0319, 2.3259

Monochromacy



Original Color

13.9976, 8.0319, 2.3259

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

7.4572, 5.9310, 4.6227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9976, 8.0319, 2.3259 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, 34, 34)` looks like.

```
.text, #text, p{  
    color:rgb(153, 34, 34)  
}
```

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, 34, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 34, 34) }
```

Border

The CSS property to change the border of an element to XYZ 13.9976, 8.0319, 2.3259 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, 34, 34) }
```


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

```
.border{ border-color:rgb(153, 34, 34) }
```

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

Here you see how a box with a 4 pixel rgb(153, 34, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 34, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 34, 34);  
box-shadow:4px 4px 4px 4px rgb(153, 34,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9976, 8.0319, 2.3259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 34, 34) }
```

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

```
.background{ background-color: rgb(153, 34,  
34) }
```

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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