

Converting Colors

XYZ(14.3164, 7.9666, 2.2330)

Have a look what the booklet for
XYZ(14.3164, 7.9666, 2.2330)
contains.

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Color

**XYZ(14.4001, 8.0082,
2.2256)**

Conversions

Conversions Part 1

Format	Color
Hex	9C1C21
RGB	156, 28, 33
RGB Percent	61%, 11%, 13%
CMY	0.3882, 0.8902, 0.8706
CMYK	0.00, 0.82, 0.79, 0.39
HSL	358°, 70%, 36%
HSV	358°, 82%, 61%
XYZ	14.4001, 8.0082, 2.2256
YIQ	66.8420, 74.6830, 28.6910

Conversions

Conversions Part 2

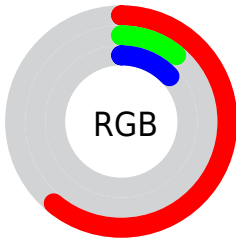
Format	Color
RYB	156, 28, 33
Decimal	10230817
CIELab	34.00, 51.03, 31.52
CIElCh	34, 59.984, 31.703
Yxy	8.0082, 0.5846, 0.3251
Android (android.graphics.Color)	4288420897 (0xFF9C1C21)
YUV	66.8420, -16.6841, 78.1916
Hunter-Lab	28.2988, 41.3086, 15.1462

Details

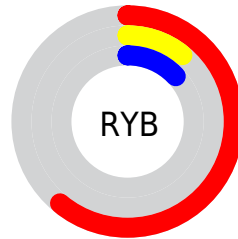
The XYZ color **14.4001, 8.0082, 2.2256** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.9543, 26.2586, 33.4043**, and the grayscale version is **5.3280, 5.6055, 6.1044**.

A 20% lighter version of the original color is **33.3182, 21.9573, 9.6899**, and **4.8239, 2.4868, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **13.9560, 7.3846, 1.2624**, and if you desaturate by 10%, it is **15.1298, 9.0537, 3.7455**.

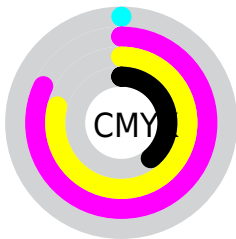
Distribution



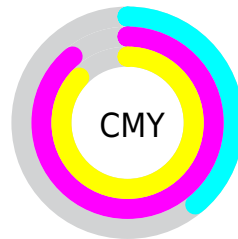
- Red (61%)
- Green (11%)
- Blue (13%)



- Red (61%)
- Yellow (11%)
- Blue (13%)



- Cyan (0%)
- Magenta (82%)
- Yellow (79%)
- Black (39%)




- Cyan (39%)
- Magenta (89%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.4001, 8.0082, 2.2256 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 14.4001, 8.0082, 2.2256 by changing the saturation by 10% instead.


 14.4001, 8.0082,
2.2256


 14.4001, 8.0082,
2.2256


213.1670,
175.7963, 125.7870


 8.4830, 4.1002,
0.6891


 33.3776, 21.9745,
9.6489


 4.4599, 1.7298,
0.0000

 47.1688, 32.8016,
16.3981


 1.9655, 0.4428,
0.0000

 64.3154, 46.7039,
25.7303

 0.6145, 0.0000,
0.0000


 85.1828, 64.0657,
38.0643


 0.0000, 0.0000,
0.0000

 110.1363, 85.2714,
53.8183


 139.5412,

110.7055, 73.4111


 173.7630,
140.7523, 97.2612


 14.4001, 8.0082,
2.2256

 14.4001, 8.0082,
2.2256


 13.9560, 7.3846,
1.2624


 15.1298, 9.0537,
3.7455

 13.7436, 7.0812,
0.8171

 16.1818, 10.5762,
5.8888

 17.5877, 12.6240,
8.7128

 19.3754, 15.2393,
12.2686

 21.5699, 18.4598,
16.6022

■ 24.1941, 22.3202,
21.7558

■ 27.2691, 26.8523,
27.7687

■ 30.8147, 32.0859,
34.6776

■ 34.8497, 38.0491,
42.5171

Harmonies

Analogous

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



15.8955, 8.0082, 8.1896



14.4001, 8.0082, 2.2256



11.0392, 8.0082, 0.4058

Triad

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



14.4001, 8.0082, 2.2256



3.2749, 8.0082, 2.6244



7.8020, 8.0082, 42.5005

Complementary

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



14.4001, 8.0082, 2.2256



17.9543, 26.2586, 33.4043

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.



4.9788, 8.0082, 36.5705



14.4001, 8.0082, 2.2256



2.8623, 8.0082, 9.2719

Square

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



14.4001, 8.0082, 2.2256



4.7363, 8.0082, 0.5305



3.3838, 8.0082, 22.2090



11.4638, 8.0082, 35.1813

Rectangle

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



14.4001, 8.0082, 2.2256



8.5660, 8.0082, 0.0000



3.3838, 8.0082, 22.2090



6.7308, 8.0082, 41.9782

Sweetspot

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



14.4003, 8.0087, 2.2257



42.2085, 37.9860, 36.1127



18.9205, 9.6775, 32.3231



8.9474, 7.8580, 7.2780



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.4003, 8.0087, 2.2257



25.0117, 12.9522, 1.5256



17.2164, 13.7445, 2.8448



6.6430, 6.6501, 6.9713



11.3236, 5.8340, 0.6891



0.2052, 0.1054, 0.0267

Inverse Universe

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



14.4003, 8.0087, 2.2257



25.0117, 12.9522, 1.5256



10.8855, 11.4585, 33.0904



6.6430, 6.6501, 6.9713



11.3236, 5.8340, 0.6891



0.2052, 0.1054, 0.0267

Previews

White Background



This preview shows how the XYZ color 14.4001, 8.0082, 2.2256 looks on a white background.

Color Contrast Check

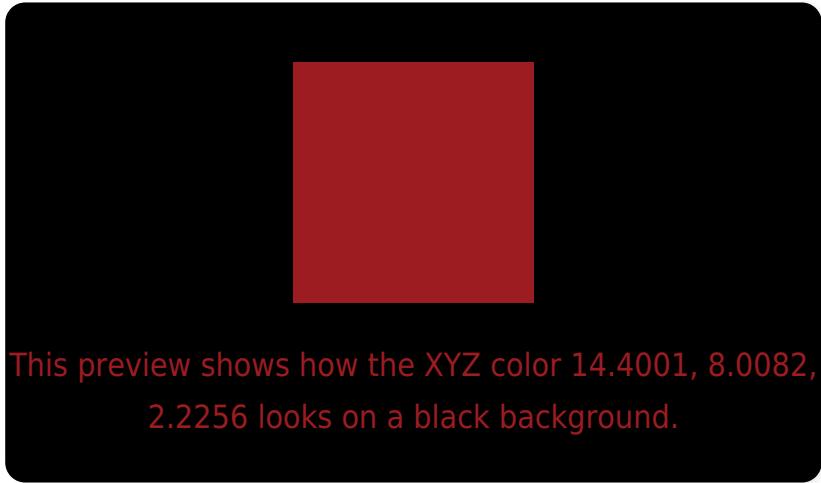
Large Text (above 18pt) WCAG AA ✓ Pass

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

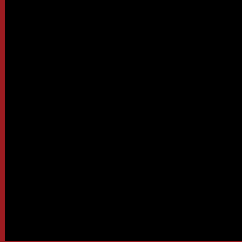
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.4001, 8.0082, 2.2256

Background



This preview shows how black text looks on a background with the XYZ color 14.4001, 8.0082, 2.2256.



This preview shows how white text looks on a background with the XYZ color 14.4001, 8.0082,

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

14.4001, 8.0082, 2.2256

Protanopia

7.6706, 8.3718, 4.0079

Deuteranopia

8.2880, 8.1944, 1.9555



Tritanopia

14.3593, 8.0305, 1.8918

Trichromacy



Original Color

14.4001, 8.0082, 2.2256

Protanomaly

8.9687, 7.1304, 3.1891

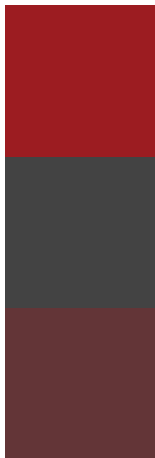
Deuteranomaly

9.7878, 7.3446, 1.9387

Tritanomaly

14.3840, 8.0404, 2.0221

Monochromacy



Original Color

14.4001, 8.0082, 2.2256

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

7.1083, 5.4747, 4.2965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4001, 8.0082, 2.2256 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(156, 28, 33)` looks like.

```
.text, #text, p{  
    color:rgb(156, 28, 33)  
}
```

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(156, 28, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 28, 33) }
```

Border

The CSS property to change the border of an element to XYZ 14.4001, 8.0082, 2.2256 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(156, 28, 33) }
```


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

```
.border{ border-color:rgb(156, 28, 33) }
```

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

Here you see how a box with a 4 pixel rgb(156, 28, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 28, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 28, 33);  
box-shadow:4px 4px 4px 4px rgb(156, 28,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4001, 8.0082, 2.2256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 28, 33) }
```

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

```
.background{ background-color: rgb(156, 28,  
33) }
```

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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