

Converting Colors

XYZ(13.6417, 7.6678, 1.9382)

Have a look what the booklet for
XYZ(13.6417, 7.6678, 1.9382)
contains.

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Color

**XYZ(13.6100, 7.6428,
1.9203)**

Conversions

Conversions Part 1

Format	Color
Hex	981D1D
RGB	152, 29, 29
RGB Percent	60%, 11%, 11%
CMY	0.4039, 0.8862, 0.8863
CMYK	0.00, 0.81, 0.81, 0.40
HSL	0°, 68%, 35%
HSV	0°, 81%, 60%
XYZ	13.6100, 7.6428, 1.9203
YIQ	65.7770, 73.3080, 26.0760

Conversions

Conversions Part 2

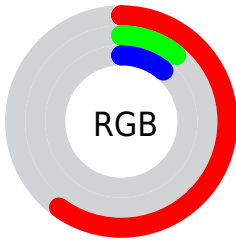
Format	Color
RYB	152, 29, 29
Decimal	9968925
CIELab	33.23, 49.40, 32.82
CIElCh	33, 59.302, 33.598
Yxy	7.6428, 0.5873, 0.3298
Android (android.graphics.Color)	4288159005 (0xFF981D1D)
YUV	65.7770, -18.1311, 75.6176
Hunter-Lab	27.6456, 39.4961, 15.2336

Details

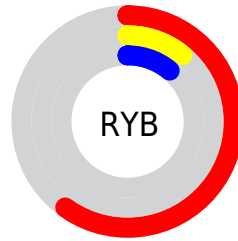
The XYZ color **13.6100, 7.6428, 1.9203** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **17.4008, 24.9815, 33.6103**, and the grayscale version is **5.1637, 5.4326, 5.9161**.

A 20% lighter version of the original color is **32.0044, 21.2961, 8.9023**, and **4.5142, 2.3272, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **13.1812, 7.0155, 1.0678**, and if you desaturate by 10%, it is **14.3157, 8.6757, 3.3228**.

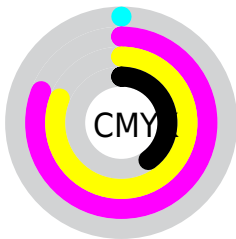
Distribution



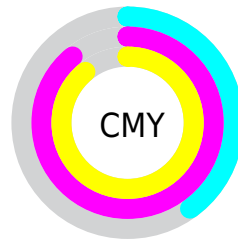
- Red (60%)
- Green (11%)
- Blue (11%)



- Red (60%)
- Yellow (11%)
- Blue (11%)



- Cyan (0%)
- Magenta (81%)
- Yellow (81%)
- Black (40%)



- Cyan (40%)
- Magenta (89%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6100, 7.6428, 1.9203 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 13.6100, 7.6428, 1.9203 by changing the saturation by 10% instead.

■ 13.6100, 7.6428,
1.9203

■ 13.6100, 7.6428,
1.9203

208.3505,
172.9029, 121.1267

■ 7.9298, 3.8672,
0.5056

■ 31.9875, 21.2552,
8.8217

■ 4.1015, 1.5996,
0.0000

■ 45.4155, 31.8607,
15.2145

■ 1.7597, 0.3573,
0.0000

■ 62.1568, 45.5118,
24.1265

■ 0.4932, 0.0000,
0.0000

■ 82.5768, 62.5927,
35.9766


■ 0.0000, 0.0000,
0.0000


■ 107.0408, 83.4879,
51.1830


■ 135.9142,


108.5817, 70.1645


 169.5623,
138.2586, 93.3396


 13.6100, 7.6428,
1.9203


 13.6100, 7.6428,
1.9203


 13.1812, 7.0155,
1.0678

 14.3157, 8.6757,
3.3228

 12.9489, 6.6756,
0.6060

 15.3336, 10.1653,
5.3463

 16.6946, 12.1568,
8.0518

 18.4255, 14.6896,
11.4927

 20.5506, 17.7992,
15.7172

■ 23.0920, 21.5180,
20.7695

■ 26.0703, 25.8761,
26.6903

■ 29.5047, 30.9015,
33.5178

■ 33.4131, 36.6207,
41.2878

Harmonies

Analogous

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



15.1960, 7.6428, 7.2743



13.6100, 7.6428, 1.9203



10.3231, 7.6428, 0.2917

Triad

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



13.6100, 7.6428, 1.9203



3.0606, 7.6428, 2.7256



7.6532, 7.6428, 40.6917

Complementary

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



13.6100, 7.6428, 1.9203



17.4008, 24.9815, 33.6103

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.



4.8786, 7.6428, 35.7629



13.6100, 7.6428, 1.9203



2.7235, 7.6428, 9.4651

Square

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



13.6100, 7.6428, 1.9203



4.3883, 7.6428, 0.5519



3.2805, 7.6428, 22.1870



11.1827, 7.6428, 32.9466

Rectangle

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



13.6100, 7.6428, 1.9203



7.9648, 7.6428, 0.0000



3.2805, 7.6428, 22.1870



6.6061, 7.6428, 40.4778

Sweetspot

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



13.6102, 7.6433, 1.9204



39.0828, 35.5275, 33.3261



19.0556, 9.8211, 30.5968



8.5483, 7.5852, 6.9093



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.



13.6102, 7.6433, 1.9204



22.9525, 11.9238, 1.2610



16.8691, 14.1610, 3.0067



6.2088, 6.2228, 6.4797



10.8575, 5.5974, 0.5082



0.1623, 0.0837, 0.0076

Inverse Universe

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



17.4008, 24.9815, 33.6103



29.8932, 43.6711, 59.2875



9.8727, 9.9252, 31.1009



6.3846, 7.0265, 7.9487



14.1652, 20.7271, 28.1618



0.2118, 0.3099, 0.4210

Previews

White Background



This preview shows how the XYZ color 13.6100, 7.6428, 1.9203 looks on a white background.

Color Contrast Check

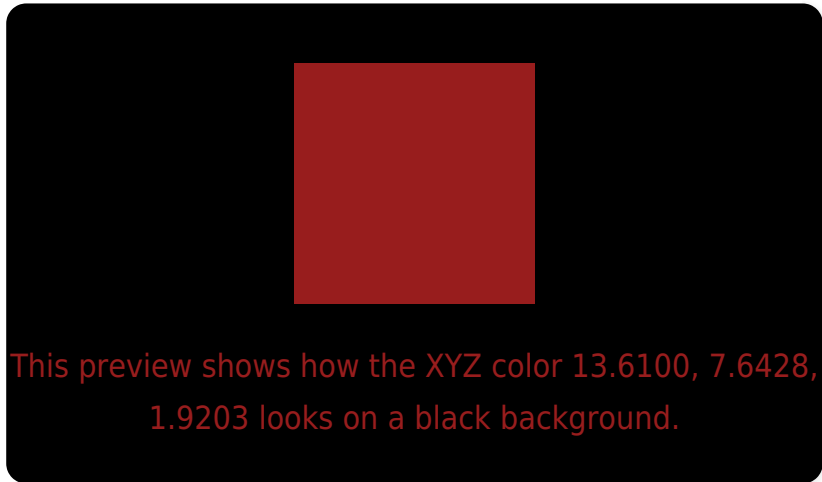
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6100, 7.6428, 1.9203

Background



This preview shows how black text looks on a background with the XYZ color 13.6100, 7.6428, 1.9203.



This preview shows how white text looks on a background with the XYZ color 13.6100, 7.6428,

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

13.6100, 7.6428, 1.9203

Protanopia

7.3292, 7.9864, 3.4407

Deuteranopia

7.9492, 7.9219, 1.6824



Tritanopia

13.6100, 7.6428, 1.9203

Trichromacy



Original Color

13.6100, 7.6428, 1.9203

Protanomaly

8.5741, 6.8569, 2.7053

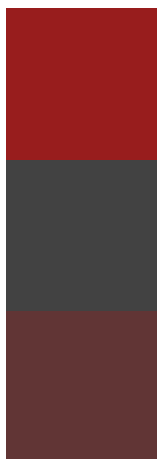
Deuteranomaly

9.3165, 7.1078, 1.6400

Tritanomaly

13.6100, 7.6428, 1.9203

Monochromacy



Original Color

13.6100, 7.6428, 1.9203

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

6.8455, 5.3446, 4.0390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6100, 7.6428, 1.9203 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(152, 29, 29)` looks like.

```
.text, #text, p{  
    color:rgb(152, 29, 29)  
}
```

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(152, 29, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 29, 29) }
```

Border

The CSS property to change the border of an element to XYZ 13.6100, 7.6428, 1.9203 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(152, 29, 29) }
```


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

```
.border{ border-color:rgb(152, 29, 29) }
```

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

Here you see how a box with a 4 pixel rgb(152, 29, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 29, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 29, 29);  
box-shadow:4px 4px 4px 4px rgb(152, 29,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6100, 7.6428, 1.9203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 29, 29) }
```

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

```
.background{ background-color: rgb(152, 29,  
29) }
```

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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