

Converting Colors

XYZ(11.7802, 6.6651, 1.7642)

Have a look what the booklet for
XYZ(11.7802, 6.6651, 1.7642)
contains.

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Color

**XYZ(11.7802, 6.6651,
1.7642)**

Conversions

Conversions Part 1

Format	Color
Hex	8E1C1C
RGB	142, 28, 28
RGB Percent	56%, 11%, 11%
CMY	0.4431, 0.8902, 0.8902
CMYK	0.00, 0.80, 0.80, 0.44
HSL	0°, 67%, 33%
HSV	0°, 80%, 56%
XYZ	11.7802, 6.6651, 1.7642
YIQ	62.0860, 67.9440, 24.1680

Conversions

Conversions Part 2

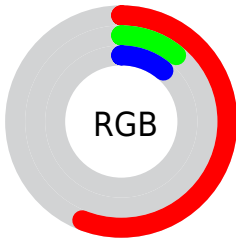
Format	Color
RYB	142, 28, 28
Decimal	9313308
CIELab	31.03, 46.57, 30.48
CIElCh	31, 55.656, 33.207
Yxy	6.6651, 0.5829, 0.3298
Android (android.graphics.Color)	4287503388 (0xFF8E1C1C)
YUV	62.0860, -16.8044, 70.0846
Hunter-Lab	25.8169, 36.2698, 14.0202

Details

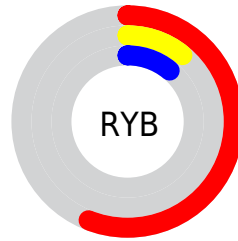
The XYZ color **11.7802, 6.6651, 1.7642** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.0331, 21.5434, 28.9571**, and the grayscale version is **4.6084, 4.8484, 5.2799**.

A 20% lighter version of the original color is **28.6201, 19.2109, 8.3305**, and **3.5673, 1.8390, 0.1669** is the 20% darker color. If you saturate the color by 10%, you get **11.3877, 6.0909, 0.9839**, and if you desaturate by 10%, it is **12.4121, 7.5900, 3.0201**.

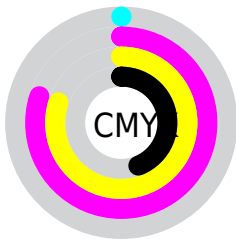
Distribution



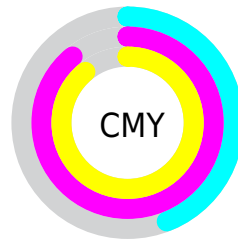
- Red (56%)
- Green (11%)
- Blue (11%)



- Red (56%)
- Yellow (11%)
- Blue (11%)



- Cyan (0%)
- Magenta (80%)
- Yellow (80%)
- Black (44%)



- Cyan (44%)
- Magenta (89%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7802, 6.6651, 1.7642 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 11.7802, 6.6651, 1.7642 by changing the saturation by 10% instead.

■ 11.7802, 6.6651,
1.7642

■ 11.7802, 6.6651,
1.7642

196.7445,
164.8512, 118.6007

■ 6.6653, 3.2536,
0.4042

■ 28.7145, 19.2962,
8.3855

■ 3.2981, 1.2655,
0.0000

■ 41.2646, 29.2846,
14.5853

■ 1.3133, 0.1142,
0.0000

■ 57.0239, 42.2341,
23.2693

■ 0.1932, 0.0000,
0.0000

■ 76.3576, 58.5290,
34.8560

■ 0.0000, 0.0000,
0.0000

■ 99.6312, 78.5538,
49.7640

■ 127.2099,


102.6928, 68.4117


 159.4592,
131.3305, 91.2177


 11.7802, 6.6651,
1.7642


 11.7802, 6.6651,
1.7642

 11.3877, 6.0909,
0.9839


 12.4121, 7.5900,
3.0201

 11.1554, 5.7510,
0.5221

 13.3129, 8.9081,
4.8107

 14.5080, 10.6570,
7.1865

 16.0202, 12.8697,
10.1925

 17.8696, 15.5759,
13.8690

■ 20.0749, 18.8029,
18.2532

■ 22.6535, 22.5761,
23.3793

■ 25.6214, 26.9190,
29.2795

■ 28.9939, 31.8538,
35.9840

Harmonies

Analogous

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



13.1029, 6.6651, 6.4529



11.7802, 6.6651, 1.7642



8.9900, 6.6651, 0.2672

Triad

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



11.7802, 6.6651, 1.7642



2.7256, 6.6651, 2.3904



6.6314, 6.6651, 34.7363

Complementary

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



11.7802, 6.6651, 1.7642



15.0331, 21.5434, 28.9571

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.



4.2621, 6.6651, 30.4370



11.7802, 6.6651, 1.7642



2.4230, 6.6651, 8.1256

Square

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



11.7802, 6.6651, 1.7642



3.8856, 6.6651, 0.4849



2.8954, 6.6651, 18.9025



9.6437, 6.6651, 28.3144

Rectangle

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



11.7802, 6.6651, 1.7642



6.9724, 6.6651, 0.0000



2.8954, 6.6651, 18.9025



5.7376, 6.6651, 34.5053

Sweetspot

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



11.7803, 6.6655, 1.7643



33.6818, 30.6426, 28.7713



16.4530, 8.5343, 26.3712



7.2536, 6.4500, 5.8908



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



11.7803, 6.6655, 1.7643



19.7916, 10.3168, 1.1591



14.6134, 12.3316, 2.7086



5.4089, 5.4241, 5.6513



10.0159, 5.1636, 0.4688



0.0958, 0.0494, 0.0045

Inverse Universe

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



15.0331, 21.5434, 28.9571



25.7567, 37.6012, 51.0281



8.6099, 8.6969, 26.8160



5.5602, 6.1163, 6.9163



13.0673, 19.1207, 25.9790



0.1249, 0.1828, 0.2484

Previews

White Background



This preview shows how the XYZ color 11.7802, 6.6651, 1.7642 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

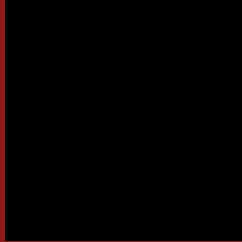
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7802, 6.6651, 1.7642

Background



This preview shows how black text looks on a background with the XYZ color 11.7802, 6.6651, 1.7642.

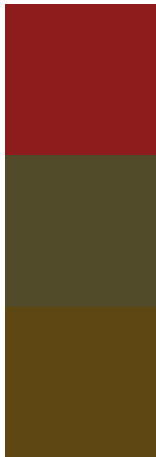


This preview shows how white text looks on a background with the XYZ color 11.7802, 6.6651,

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

11.7802, 6.6651, 1.7642

Protanopia

6.3960, 6.9861, 3.1092

Deuteranopia

6.9785, 6.9298, 1.5421



Tritanopia

11.7802, 6.6651, 1.7642

Trichromacy



Original Color

11.7802, 6.6651, 1.7642

Protanomaly

7.5404, 6.0965, 2.4484

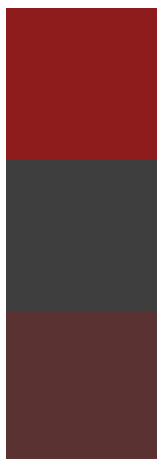
Deuteranomaly

8.0666, 6.1698, 1.5248

Tritanomaly

11.7802, 6.6651, 1.7642

Monochromacy



Original Color

11.7802, 6.6651, 1.7642

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.0307, 4.7356, 3.6138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7802, 6.6651, 1.7642 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(142, 28, 28)` looks like.

```
.text, #text, p{  
    color:rgb(142, 28, 28)  
}
```

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(142, 28, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 28, 28) }
```

Border

The CSS property to change the border of an element to XYZ 11.7802, 6.6651, 1.7642 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(142, 28, 28) }
```


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

```
.border{ border-color:rgb(142, 28, 28) }
```

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

Here you see how a box with a 4 pixel rgb(142, 28, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 28, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 28, 28);  
box-shadow:4px 4px 4px 4px rgb(142, 28,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7802, 6.6651, 1.7642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 28, 28) }
```

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

```
.background{ background-color: rgb(142, 28,  
28) }
```

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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