

Converting Colors

XYZ(14.8131, 7.8125, 1.0514)

Have a look what the booklet for
XYZ(14.8131, 7.8125, 1.0514)
contains.

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Color

**XYZ(14.8780, 7.8406,
1.0458)**

Conversions

Conversions Part 1

Format	Color
Hex	A10B0B
RGB	161, 11, 11
RGB Percent	63%, 4%, 4%
CMY	0.3686, 0.9568, 0.9569
CMYK	0.00, 0.93, 0.93, 0.37
HSL	0°, 87%, 34%
HSV	0°, 93%, 63%
XYZ	14.8780, 7.8406, 1.0458
YIQ	55.8500, 89.4000, 31.8000

Conversions

Conversions Part 2

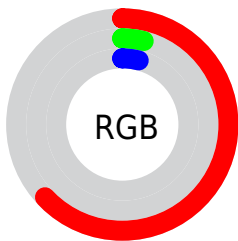
Format	Color
RYB	161, 11, 11
Decimal	10554123
CIELab	33.65, 55.46, 43.09
CIElCh	34, 70.234, 37.842
Yxy	7.8406, 0.6261, 0.3299
Android (android.graphics.Color)	4288744203 (0xFFA10B0B)
YUV	55.8500, -22.1110, 92.2166
Hunter-Lab	28.0011, 45.8417, 17.3864

Details

The XYZ color **14.8780, 7.8406, 1.0458** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.3110, 28.1243, 38.1286**, and the grayscale version is **3.7608, 3.9567, 4.3088**.

A 20% lighter version of the original color is **34.2034, 21.5915, 6.2357**, and **5.1456, 2.6526, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **14.6981, 7.5776, 0.6880**, and if you desaturate by 10%, it is **15.2915, 8.4461, 1.8673**.

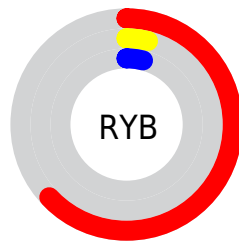
Distribution



Red (63%)

Green (4%)

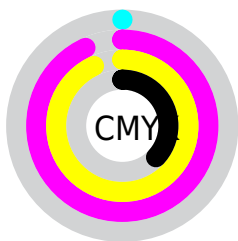
Blue (4%)



Red (63%)

Yellow (4%)

Blue (4%)

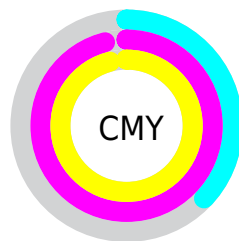


Cyan (0%)

Magenta (93%)

Yellow (93%)

Black (37%)



Cyan (37%)


Magenta (96%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.8780, 7.8406, 1.0458 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 14.8780, 7.8406, 1.0458 by changing the saturation by 10% instead.


 14.8780, 7.8406,
1.0458


 14.8780, 7.8406,
1.0458


 216.0296,
174.4764, 105.1470


 8.8196, 3.9931,
0.0000


 34.2124, 21.6454,
6.2127


 4.6798, 1.6697,
0.0000

 48.2191, 32.3714,
11.3905


 2.0935, 0.4039,
0.0000

 65.6060, 46.1592,
18.8560

 0.6857, 0.0000,
0.0000


 86.7383, 63.3929,
29.0276


 0.0000, 0.0000,
0.0000


 111.9815, 84.4571,
42.3240


 141.7009,


109.7362, 59.1637


 176.2618,
139.6145, 79.9652


 14.8780, 7.8406,
1.0458


 14.8780, 7.8406,
1.0458


 14.6981, 7.5776,
0.6880

 15.2915, 8.4461,
1.8673

 16.0094, 9.4967,
3.2940

 17.0753, 11.0565,
5.4126

 18.5258, 13.1790,
8.2958

 20.3927, 15.9109,
12.0071

■ 22.7046, 19.2939,
16.6031

■ 25.4877, 23.3662,
22.1359

■ 28.7658, 28.1630,
28.6531

■ 32.5616, 33.7171,
36.1994

Harmonies

Analogous

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



17.3402, 7.8406, 5.9789



14.8780, 7.8406, 1.0458



10.5762, 7.8406, 0.0000

Triad

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



14.8780, 7.8406, 1.0458



2.5131, 7.8406, 2.8112



8.4989, 7.8406, 50.8584

Complementary

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



14.8780, 7.8406, 1.0458



19.3110, 28.1243, 38.1286

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.



5.0133, 7.8406, 46.5331



14.8780, 7.8406, 1.0458



2.2907, 7.8406, 11.7372

Square

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



14.8780, 7.8406, 1.0458



3.7964, 7.8406, 0.1784



3.0300, 7.8406, 29.0064



12.9207, 7.8406, 38.2058

Rectangle

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



14.8780, 7.8406, 1.0458



7.7319, 7.8406, 0.0000



3.0300, 7.8406, 29.0064



7.1794, 7.8406, 51.4576

Sweetspot

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



14.8782, 7.8411, 1.0459



42.8687, 37.7824, 34.1211



21.2504, 10.3895, 34.6032



8.9760, 7.6632, 6.6368



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.8782, 7.8411, 1.0459



26.3232, 13.5707, 1.2320



18.0859, 14.2566, 2.1152



7.0739, 7.0862, 7.3750



11.7391, 6.0522, 0.5495



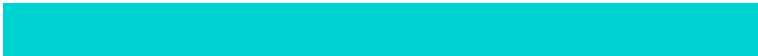
0.2467, 0.1272, 0.0116

Inverse Universe

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



19.3110, 28.1243, 38.1286



34.3367, 50.2399, 68.2741



9.8987, 9.2998, 34.9912



7.2760, 8.0111, 9.0659



15.3128, 22.4050, 30.4473



0.3218, 0.4708, 0.6398

Previews

White Background



This preview shows how the XYZ color 14.8780, 7.8406, 1.0458 looks on a white background.

Color Contrast Check

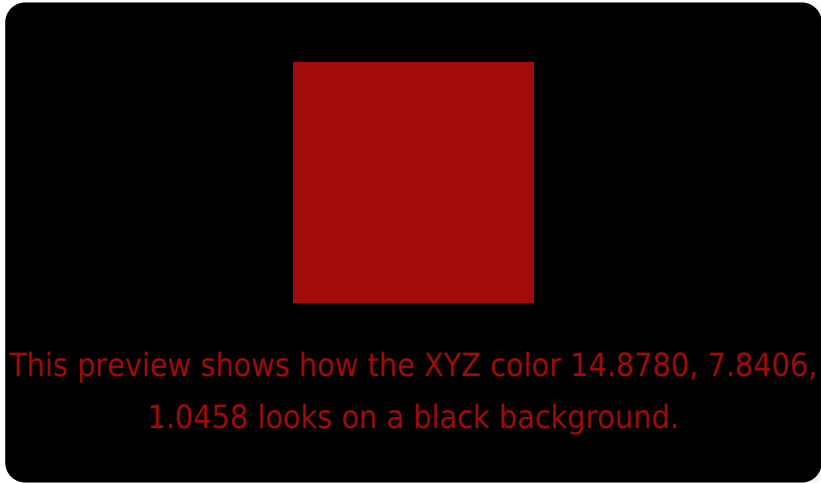
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8780, 7.8406, 1.0458

Background



This preview shows how black text looks on a background with the XYZ color 14.8780, 7.8406, 1.0458.



This preview shows how white text looks on a background with the XYZ color 14.8780, 7.8406,

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

14.8780, 7.8406, 1.0458

Protanopia

7.5071, 8.3289, 2.1317

Deuteranopia

8.2474, 8.1913, 1.1464



Tritanopia

14.8550, 7.8911, 0.7402

Trichromacy



Original Color

14.8780, 7.8406, 1.0458

Protanomaly

8.7429, 6.5919, 1.4734

Deuteranomaly

9.6072, 6.8401, 0.9288

Tritanomaly

14.8638, 7.8737, 0.8512

Monochromacy



Original Color

14.8780, 7.8406, 1.0458

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

5.7579, 4.0505, 2.4858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8780, 7.8406, 1.0458 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(161, 11, 11)` looks like.

```
.text, #text, p{  
    color:rgb(161, 11, 11)  
}
```

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(161, 11, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 11, 11) }
```

Border

The CSS property to change the border of an element to XYZ 14.8780, 7.8406, 1.0458 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(161, 11, 11) }
```


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

```
.border{ border-color:rgb(161, 11, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 11, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 11, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 11, 11);  
box-shadow:4px 4px 4px 4px rgb(161, 11,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8780, 7.8406, 1.0458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 11, 11) }
```

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

```
.background{ background-color: rgb(161, 11,  
11) }
```

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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