

Converting Colors

XYZ(14.6579, 7.7458, 1.0789)

Have a look what the booklet for
XYZ(14.6579, 7.7458, 1.0789)
contains.

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Color

**XYZ(14.6950, 7.7631,
1.0717)**

Conversions

Conversions Part 1

Format	Color
Hex	A00C0C
RGB	160, 12, 12
RGB Percent	63%, 5%, 5%
CMY	0.3726, 0.9528, 0.9529
CMYK	0.00, 0.92, 0.93, 0.37
HSL	0°, 86%, 34%
HSV	0°, 93%, 63%
XYZ	14.6950, 7.7631, 1.0717
YIQ	56.2520, 88.2080, 31.3760

Conversions

Conversions Part 2

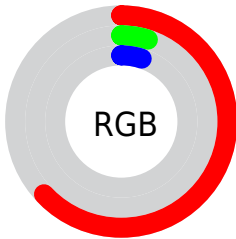
Format	Color
RYB	160, 12, 12
Decimal	10488844
CIELab	33.48, 55.06, 42.46
CIElCh	33, 69.530, 37.635
Yxy	7.7631, 0.6245, 0.3299
Android (android.graphics.Color)	4288678924 (0xFFA00C0C)
YUV	56.2520, -21.8162, 90.9870
Hunter-Lab	27.8623, 45.3844, 17.2231

Details

The XYZ color **14.6950, 7.7631, 1.0717** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **19.0628, 27.7484, 37.6086**, and the grayscale version is **3.8125, 4.0111, 4.3680**.

A 20% lighter version of the original color is **33.9659, 21.5753, 6.2452**, and **5.1456, 2.6526, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **14.4973, 7.4741, 0.6786**, and if you desaturate by 10%, it is **15.1224, 8.3889, 1.9207**.

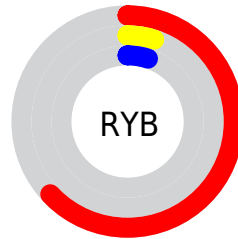
Distribution



Red (63%)

Green (5%)

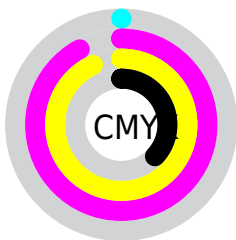
Blue (5%)



Red (63%)

Yellow (5%)

Blue (5%)

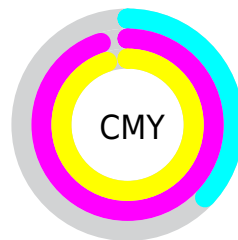


Cyan (0%)

Magenta (92%)

Yellow (93%)

Black (37%)



Cyan (37%)


Magenta (95%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6950, 7.7631, 1.0717 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 14.6950, 7.7631, 1.0717 by changing the saturation by 10% instead.


 14.6950, 7.7631,
1.0717


 14.6950, 7.7631,
1.0717


 214.9378,
173.8619, 105.7034


 8.6905, 3.9437,
0.0000


 33.8933, 21.4927,
6.2973

 4.5954, 1.6421,
0.0000

 47.8178, 32.1717,
11.5172


 2.0442, 0.3858,
0.0000

 65.1131, 45.9061,
19.0332

 0.6586, 0.0000,
0.0000

 86.1444, 63.0802,
29.2638


 0.0000, 0.0000,
0.0000

 111.2772, 84.0784,
42.6276

 140.8768,


109.2852, 59.5431

 175.3086,
139.0849, 80.4288


 14.6950, 7.7631,
1.0717


 14.6950, 7.7631,
1.0717


 14.4973, 7.4741,
0.6786

 15.1224, 8.3889,
1.9207

 15.8530, 9.4582,
3.3728

 16.9293, 11.0332,
5.5122

 18.3869, 13.1661,
8.4095

 20.2568, 15.9023,
12.1268

■ 22.5671, 19.2830,
16.7196

■ 25.3433, 23.3453,
22.2387

■ 28.6089, 28.1237,
28.7309

■ 32.3860, 33.6504,
36.2401

Harmonies

Analogous

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



17.0899, 7.7631, 5.9937



14.6950, 7.7631, 1.0717



10.4789, 7.7631, 0.0000

Triad

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



14.6950, 7.7631, 1.0717



2.5151, 7.7631, 2.7756



8.3794, 7.7631, 49.9333

Complementary

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



14.6950, 7.7631, 1.0717



19.0628, 27.7484, 37.6086

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.



4.9594, 7.7631, 45.5847



14.6950, 7.7631, 1.0717



2.2886, 7.7631, 11.5063

Square

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



14.6950, 7.7631, 1.0717



3.7913, 7.7631, 0.1867



3.0125, 7.7631, 28.3927



12.7200, 7.7631, 37.6520

Rectangle

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



14.6950, 7.7631, 1.0717



7.6804, 7.7631, 0.0000



3.0125, 7.7631, 28.3927



7.0848, 7.7631, 50.4764

Sweetspot

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



14.6952, 7.7636, 1.0718



42.8687, 37.7823, 34.1211



20.9736, 10.2745, 34.1350



8.9759, 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.



14.6952, 7.7636, 1.0718



26.3232, 13.5707, 1.2320



17.8911, 14.1555, 2.1371



6.6332, 6.6463, 6.9189



11.2934, 5.8224, 0.5286



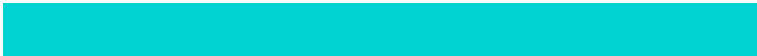
0.2020, 0.1042, 0.0095

Inverse Universe

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



19.0628, 27.7484, 37.6086



34.3370, 50.2403, 68.2741



9.8244, 9.2716, 34.5291



6.8218, 7.5093, 8.4966



14.7315, 21.5545, 29.2912



0.2634, 0.3855, 0.5237

Previews

White Background



This preview shows how the XYZ color 14.6950, 7.7631, 1.0717 looks on a white background.

Color Contrast Check

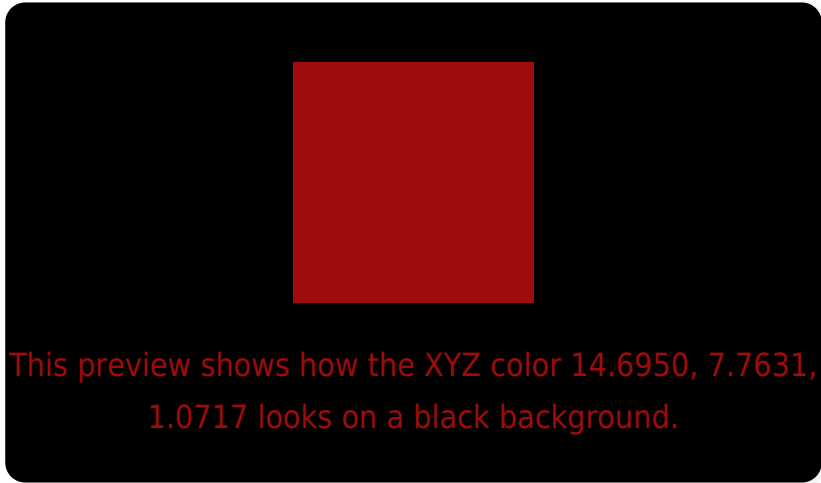
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.6950, 7.7631, 1.0717

Background



This preview shows how black text looks on a background with the XYZ color 14.6950, 7.7631, 1.0717.



This preview shows how white text looks on a background with the XYZ color 14.6950, 7.7631,

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

14.6950, 7.7631, 1.0717

Protanopia

7.4433, 8.1836, 2.1646

Deuteranopia

8.1334, 8.1325, 1.1411



Tritanopia

14.6542, 7.7877, 0.7308

Trichromacy



Original Color

14.6950, 7.7631, 1.0717

Protanomaly

8.7520, 6.5955, 1.5212

Deuteranomaly

9.4634, 6.7659, 0.9220

Tritanomaly

14.6630, 7.7702, 0.8418

Monochromacy



Original Color

14.6950, 7.7631, 1.0717

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 14.6950, 7.7631, 1.0717 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(160, 12, 12)` looks like.

```
.text, #text, p{  
    color:rgb(160, 12, 12)  
}
```

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(160, 12, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 12, 12) }
```

Border

The CSS property to change the border of an element to XYZ 14.6950, 7.7631, 1.0717 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(160, 12, 12) }
```


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

```
.border{ border-color:rgb(160, 12, 12) }
```

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

Here you see how a box with a 4 pixel rgb(160, 12, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 12, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 12, 12);  
box-shadow:4px 4px 4px 4px rgb(160, 12,  
12) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6950, 7.7631, 1.0717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 12, 12) }
```

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

```
.background{ background-color: rgb(160, 12,  
12) }
```

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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