

Converting Colors

XYZ(9.9459, 7.7660, 0.9748)

Have a look what the booklet for
XYZ(9.9459, 7.7660, 0.9748)
contains.

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Color

XYZ(9.9459, 7.7660, 0.9748)

Conversions

Conversions Part 1

Format	Color
Hex	7B3F00
RGB	123, 63, 0
RGB Percent	48%, 25%, 0%
CMY	0.5176, 0.7529, 1.0000
CMYK	0.00, 0.49, 1.00, 0.52
HSL	31°, 100%, 24%
HSV	31°, 100%, 48%
XYZ	9.9459, 7.7660, 0.9748
YIQ	73.7580, 55.9830, -6.8730

Conversions

Conversions Part 2

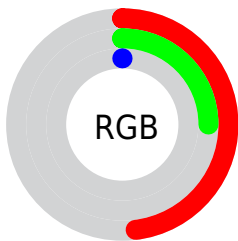
Format	Color
RYB	117, 123, 0
Decimal	8077056
CIELab	33.49, 22.29, 43.80
CIELCh	33, 49.148, 63.024
Yxy	7.7660, 0.5322, 0.4156
Android (android.graphics.Color)	4286267136 (0xFF7B3F00)
YUV	73.7580, -36.3627, 43.1852
Hunter-Lab	27.8675, 14.9383, 17.4333

Details

The XYZ color **9.9459, 7.7660, 0.9748** is a dark color, and the websafe version is hex **663300**, and the color name is **chocolate**. A complement of this color would be **5.1909, 4.6616, 19.3649**, and the grayscale version is **6.5218, 6.8614, 7.4721**.

A 20% lighter version of the original color is **25.3380, 21.4317, 5.9332**, and **2.5310, 1.6259, 0.1804** is the 20% darker color. If you saturate the color by 10%, you get **9.9460, 7.7663, 0.9748**, and if you desaturate by 10%, it is **10.3649, 8.4949, 1.4510**.

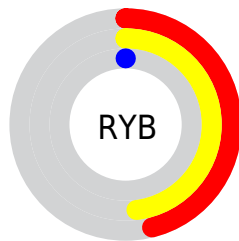
Distribution



Red (48%)

Green (25%)

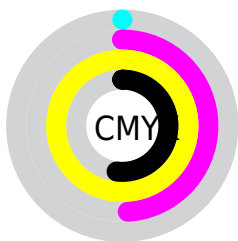
Blue (0%)



Red (46%)

Yellow (48%)

Blue (0%)

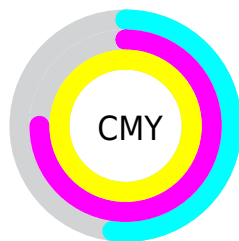


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (52%)



Cyan (52%)

Magenta (75%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9459, 7.7660, 0.9748 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 9.9459, 7.7660, 0.9748 by changing the saturation by 10% instead.

9.9459, 7.7660,
0.9748

9.9459, 7.7660,
0.9748

184.3472,
173.8849, 103.5835

5.4251, 3.9456,
0.0000

25.3443, 21.4984,
5.9773

2.5361, 1.6432,
0.0000

36.9526, 32.1792,
11.0371

0.9135, 0.3864,
0.0000

51.6541, 45.9156,
18.3607

0.0000, 0.0000,
0.0000


69.8142, 63.0919,
28.3665


91.7982, 84.0926,
41.4732

117.9714,


109.3021, 58.0992

 148.6993,
139.1048, 78.6631


 9.9459, 7.7660,
0.9748


 9.9459, 7.7660,
0.9748


 9.9460, 7.7663,
0.9748

 10.3649, 8.4949,
1.4510

 10.8558, 9.3121,
2.1226

 11.4434, 10.2292,
3.1136

 12.1354, 11.2513,
4.4603

 12.9388, 12.3824,
6.1943

■ 13.8597, 13.6268,
8.3435

■ 14.9039, 14.9880,
10.9332

■ 16.0766, 16.4696,
13.9868

■ 17.3826, 18.0749,
17.5258

Harmonies

Analogous

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



12.5384, 7.7660, 2.7310



9.9459, 7.7660, 0.9748



7.1155, 7.7660, 0.6057

Triad

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



9.9459, 7.7660, 0.9748



3.3689, 7.7660, 9.2503



10.5255, 7.7660, 27.5749

Complementary

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



9.9459, 7.7660, 0.9748



5.1909, 4.6616, 19.3649

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.



7.6538, 7.7660, 33.0480



9.9459, 7.7660, 0.9748



3.8769, 7.7660, 19.1799

Square

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



9.9459, 7.7660, 0.9748



3.7043, 7.7660, 3.4089



5.3005, 7.7660, 29.3049



12.9255, 7.7660, 16.9662

Rectangle

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



9.9459, 7.7660, 0.9748



5.5604, 7.7660, 0.8746



5.3005, 7.7660, 29.3049



9.5620, 7.7660, 30.2910

Sweetspot

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



9.9461, 7.7664, 0.9749



26.5433, 26.6524, 19.2078



9.0242, 4.5533, 4.8892



6.0932, 6.0725, 4.1263



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



9.9461, 7.7664, 0.9749



17.6666, 13.6189, 1.6976



15.2512, 18.3767, 2.7433



4.1522, 4.3229, 4.2400



10.2837, 8.0232, 1.0066



48.1993, 36.5620, 4.5168

Inverse Universe

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



5.1909, 4.6616, 19.3649



9.1523, 8.0612, 34.6302



3.5752, 1.4301, 18.8263



3.9440, 4.1863, 5.0433



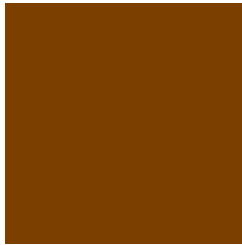
5.3644, 4.8113, 20.0312



24.7424, 21.2574, 95.2688

Previews

White Background



This preview shows how the XYZ color 9.9459, 7.7660, 0.9748 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

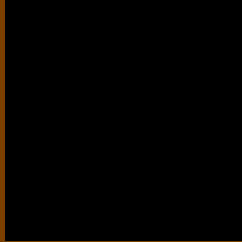
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.9459, 7.7660, 0.9748

Background



This preview shows how black text looks on a background with the XYZ color 9.9459, 7.7660, 0.9748.



This preview shows how white text looks on a background with the XYZ color 9.9459, 7.7660, 0.9748.

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

9.9459, 7.7660, 0.9748

Protanopia

7.1455, 7.9351, 1.4716

Deuteranopia

7.9513, 7.9356, 1.1126



Tritanopia

10.9186, 7.8468, 5.6417

Trichromacy



Original Color

9.9459, 7.7660, 0.9748

Protanomaly

7.9666, 7.7377, 1.2746

Deuteranomaly

8.5599, 7.7577, 1.0462

Tritanomaly

10.3110, 7.6700, 2.9445

Monochromacy



Original Color

9.9459, 7.7660, 0.9748

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

7.1169, 6.8609, 3.6385

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9459, 7.7660, 0.9748 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(123, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(123, 63, 0)  
}
```

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(123, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 63, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.9459, 7.7660, 0.9748 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(123, 63, 0) }
```

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

```
.border{ border-color:rgb(123, 63, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 63, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 63, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 63, 0);  
box-shadow:4px 4px 4px 4px rgb(123, 63, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 9.9459, 7.7660, 0.9748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 63, 0) }
```

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

```
.background{ background-color: rgb(123, 63,  
0) }
```

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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