

Converting Colors

XYZ(12.7392, 7.8302, 1.0065)

Have a look what the booklet for
XYZ(12.7392, 7.8302, 1.0065)
contains.

XYZ(12.7508, 7.8519, 1.0158)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.7508, 7.8519,
1.0158)**

Conversions

Conversions Part 1

Format	Color
Hex	922B06
RGB	146, 43, 6
RGB Percent	57%, 17%, 2%
CMY	0.4275, 0.8313, 0.9765
CMYK	0.00, 0.71, 0.96, 0.43
HSL	16°, 92%, 30%
HSV	16°, 96%, 57%
XYZ	12.7508, 7.8519, 1.0158
YIQ	69.5790, 73.2650, 10.3290

Conversions

Conversions Part 2

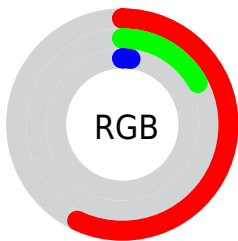
Format	Color
R_{YB}	146, 56, 6
Decimal	9579270
CIE _{Lab}	33.67, 41.85, 43.54
CIE _{LCh}	34, 60.393, 46.131
Yxy	7.8519, 0.5898, 0.3632
Android (android.graphics.Color)	4287769350 (0xFF922B06)
YUV	69.5790, -31.3444, 67.0212
Hunter-Lab	28.0212, 32.1876, 17.4655

Details

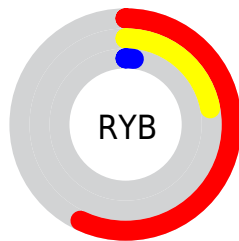
The XYZ color **12.7508, 7.8519, 1.0158** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.7312, 13.0497, 29.1471**, and the grayscale version is **5.7939, 6.0956, 6.6381**.

A 20% lighter version of the original color is **30.4902, 21.7162, 6.0747**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.5662, 7.5354, 0.7922**, and if you desaturate by 10%, it is **13.2931, 8.7785, 1.6840**.

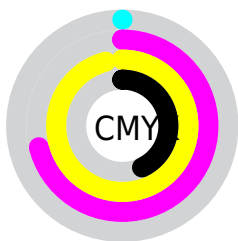
Distribution



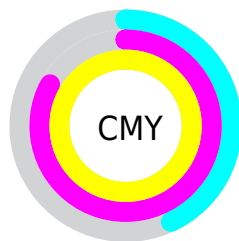
- Red (57%)
- Green (17%)
- Blue (2%)



- Red (57%)
- Yellow (22%)
- Blue (2%)



- Cyan (0%)
- Magenta (71%)
- Yellow (96%)
- Black (43%)





- Cyan (43%)
- Magenta (83%)
- Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7508, 7.8519, 1.0158 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 12.7508, 7.8519, 1.0158 by changing the saturation by 10% instead.


 12.7508, 7.8519,
1.0158


 12.7508, 7.8519,
1.0158


 202.9844,
174.5657, 104.4934


 7.3330, 4.0003,
0.0000


 30.4605, 21.6676,
6.1138


 3.7194, 1.6737,
0.0000


 43.4831, 32.4005,
11.2423


 1.5446, 0.4066,
0.0000

 59.7713, 46.1960,
18.6484

 0.3559, 0.0000,
0.0000

 79.6905, 63.4384,
28.7508


 0.0000, 0.0000,
0.0000

 103.6061, 84.5122,
41.9680

 131.8833,


109.8018, 58.7184


 164.8877,
139.6915, 79.4207


 12.7508, 7.8519,
1.0158


 12.7508, 7.8519,
1.0158


 12.5662, 7.5354,
0.7922

 13.2931, 8.7785,
1.6840

 14.0214, 9.9556,
2.7884

 14.9570, 11.4028,
4.4077

 16.1162, 13.1364,
6.5966

 17.5132, 15.1714,
9.4025

■ 19.1613, 17.5216,
12.8680

■ 21.0724, 20.2000,
17.0316

■ 23.2580, 23.2187,
21.9292

■ 25.7285, 26.5894,
27.5939

Harmonies

Analogous

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



15.3220, 7.8519, 4.4445



12.7508, 7.8519, 1.0158



9.0814, 7.8519, 0.0000

Triad

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



12.7508, 7.8519, 1.0158



2.8576, 7.8519, 4.9056



9.3588, 7.8519, 40.3511

Complementary

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



12.7508, 7.8519, 1.0158



10.7312, 13.0497, 29.1471

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.



6.0493, 7.8519, 40.8735



12.7508, 7.8519, 1.0158



2.8917, 7.8519, 14.6235

Square

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



12.7508, 7.8519, 1.0158



3.7732, 7.8519, 1.1428



3.8862, 7.8519, 29.3408



13.0045, 7.8519, 28.2066

Rectangle

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



12.7508, 7.8519, 1.0158



6.8086, 7.8519, 0.0000



3.8862, 7.8519, 29.3408



8.1581, 7.8519, 42.0881

Sweetspot

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



12.7510, 7.8524, 1.0159



35.8728, 33.8199, 27.1830



14.7883, 7.3889, 15.6856



7.6969, 7.1261, 5.4311



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.7510, 7.8524, 1.0159



22.0474, 13.0515, 1.3572



17.5712, 17.4929, 2.6227



5.9181, 6.0500, 6.0963



11.0747, 6.6638, 0.7025



0.1569, 0.1244, 0.0157

Inverse Universe

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



10.7312, 13.0497, 29.1471



18.3593, 22.0742, 51.2667



6.0563, 3.6999, 27.5888



5.8357, 6.3055, 7.3792



9.2487, 11.1922, 25.6039



0.1373, 0.1852, 0.3214

Previews

White Background



This preview shows how the XYZ color 12.7508, 7.8519, 1.0158 looks on a white background.

Color Contrast Check

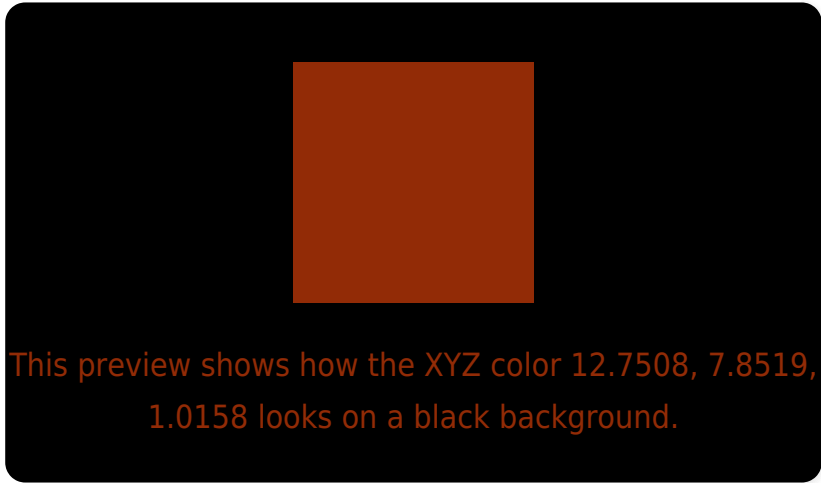
Large Text (above 18pt) WCAG AA ✓ Pass

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

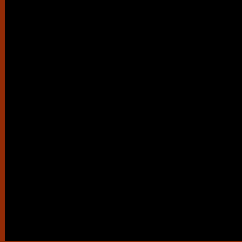
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7508, 7.8519, 1.0158

Background



This preview shows how black text looks on a background with the XYZ color 12.7508, 7.8519, 1.0158.



This preview shows how white text looks on a background with the XYZ color 12.7508, 7.8519,

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

12.7508, 7.8519, 1.0158

Protanopia

7.3580, 8.1495, 1.7155

Deuteranopia

8.0639, 7.9937, 1.1179



Tritanopia

13.2093, 7.8878, 3.0168

Trichromacy



Original Color

12.7508, 7.8519, 1.0158

Protanomaly

8.6353, 7.4229, 1.3584

Deuteranomaly

9.3156, 7.5227, 1.0185

Tritanomaly

13.0473, 7.8776, 1.9953

Monochromacy



Original Color

12.7508, 7.8519, 1.0158

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

7.1660, 6.0336, 3.4762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7508, 7.8519, 1.0158 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(146, 43, 6)` looks like.

```
.text, #text, p{  
    color:rgb(146, 43, 6)  
}
```

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(146, 43, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 43, 6) }
```

Border

The CSS property to change the border of an element to XYZ 12.7508, 7.8519, 1.0158 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(146, 43, 6) }
```


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

```
.border{ border-color:rgb(146, 43, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 43, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 43, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 43, 6);  
box-shadow:4px 4px 4px 4px rgb(146, 43, 6)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7508, 7.8519, 1.0158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 43, 6) }
```

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

```
.background{ background-color: rgb(146, 43,  
6) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor