

Converting Colors

XYZ(12.7914, 7.7206, 0.8160)

Have a look what the booklet for
XYZ(12.7914, 7.7206, 0.8160)
contains.

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Color

**XYZ(12.7914, 7.7206,
0.8160)**

Conversions

Conversions Part 1

Format	Color
Hex	932800
RGB	147, 40, 0
RGB Percent	58%, 16%, 0%
CMY	0.4235, 0.8431, 1.0000
CMYK	0.00, 0.73, 1.00, 0.42
HSL	16°, 100%, 29%
HSV	16°, 100%, 58%
XYZ	12.7914, 7.7206, 0.8160
YIQ	67.4330, 76.6120, 10.2440

Conversions

Conversions Part 2

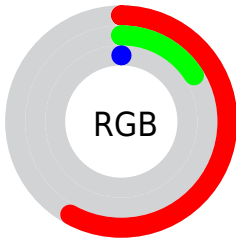
Format	Color
R_{YB}	147, 55, 0
Decimal	9644032
CIE Lab	33.39, 43.32, 45.90
CIE LCh	33, 63.121, 46.656
Yxy	7.7206, 0.5997, 0.3620
Android (android.graphics.Color)	4287834112 (0xFF932800)
YUV	67.4330, -33.2445, 69.7803
Hunter-Lab	27.7860, 33.5479, 17.7090

Details

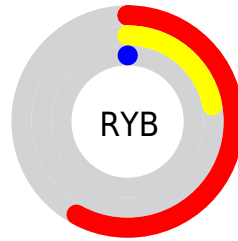
The XYZ color **12.7914, 7.7206, 0.8160** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.5233, 12.6204, 29.4849**, and the grayscale version is **5.4470, 5.7306, 6.2406**.

A 20% lighter version of the original color is **30.3939, 21.2859, 5.4124**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.7916, 7.7211, 0.8161**, and if you desaturate by 10%, it is **13.2877, 8.5787, 1.3963**.

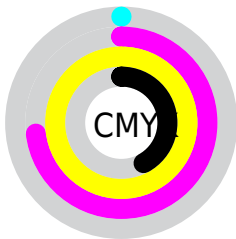
Distribution



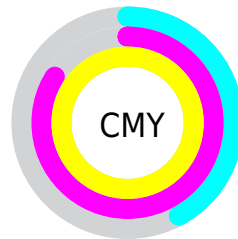
- Red (58%)
- Green (16%)
- Blue (0%)



- Red (58%)
- Yellow (22%)
- Blue (0%)



- Cyan (0%)
- Magenta (73%)
- Yellow (100%)
- Black (42%)



- Cyan (42%)
- Magenta (84%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7914, 7.7206, 0.8160 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 12.7914, 7.7206, 0.8160 by changing the saturation by 10% instead.


 12.7914, 7.7206,
0.8160

 12.7914, 7.7206,
0.8160


 203.2412,
173.5238, 100.0372


 7.3611, 3.9167,
0.0000


 30.5330, 21.4089,
5.4574


 3.7372, 1.6271,
0.0000

 43.5750, 32.0620,
10.2503


 1.5546, 0.3757,
0.0000

 59.8850, 45.7670,
17.2517

 0.3625, 0.0000,
0.0000


 79.8282, 62.9083,
26.8803


 0.0000, 0.0000,
0.0000


 103.7701, 83.8702,
39.5546


 132.0760,

109.0372, 55.6932


 165.1112,
138.7936, 75.7145


 12.7914, 7.7206,
0.8160


 12.7914, 7.7206,
0.8160


 12.7916, 7.7211,
0.8161

 13.2877, 8.5787,
1.3963

 13.9498, 9.6747,
2.3207

 14.8132, 11.0339,
3.7417

 15.8951, 12.6733,
5.7189

 17.2104, 14.6081,
8.3031

■ 18.7730, 16.8524,
11.5393

■ 20.5952, 19.4193,
15.4684

■ 22.6887, 22.3214,
20.1277

■ 25.0644, 25.5702,
25.5519

Harmonies

Analogous

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



15.5352, 7.7206, 4.1063



12.7914, 7.7206, 0.8160



8.9499, 7.7206, 0.0000

Triad

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



12.7914, 7.7206, 0.8160



2.6435, 7.7206, 4.7883



9.3724, 7.7206, 42.0400

Complementary

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



12.7914, 7.7206, 0.8160



10.5233, 12.6204, 29.4849

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.



5.9326, 7.7206, 42.8631



12.7914, 7.7206, 0.8160



2.6932, 7.7206, 14.9829

Square

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



12.7914, 7.7206, 0.8160



3.5415, 7.7206, 0.9967



3.7082, 7.7206, 30.6441



13.1817, 7.7206, 28.8698

Rectangle

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



12.7914, 7.7206, 0.8160



6.6074, 7.7206, 0.0000



3.7082, 7.7206, 30.6441



8.1210, 7.7206, 43.9946

Sweetspot

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



12.7916, 7.7211, 0.8161



36.6683, 34.4769, 27.2306



14.7287, 7.2814, 14.7607



8.0749, 7.4555, 5.5732



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.7916, 7.7211, 0.8161



22.7790, 13.5693, 1.4185



17.9042, 17.9463, 2.5203



5.9216, 6.0570, 6.0975



11.1081, 6.7307, 0.7137



0.1578, 0.1261, 0.0160

Inverse Universe

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



10.5233, 12.6204, 29.4849



18.6931, 22.2957, 52.7529



5.8471, 3.2678, 27.9261



5.8320, 6.2980, 7.3780



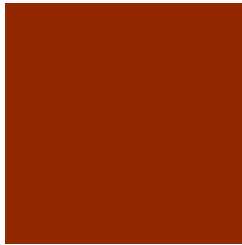
9.1444, 10.9836, 25.5691



0.1365, 0.1835, 0.3211

Previews

White Background



This preview shows how the XYZ color 12.7914, 7.7206, 0.8160 looks on a white background.

Color Contrast Check

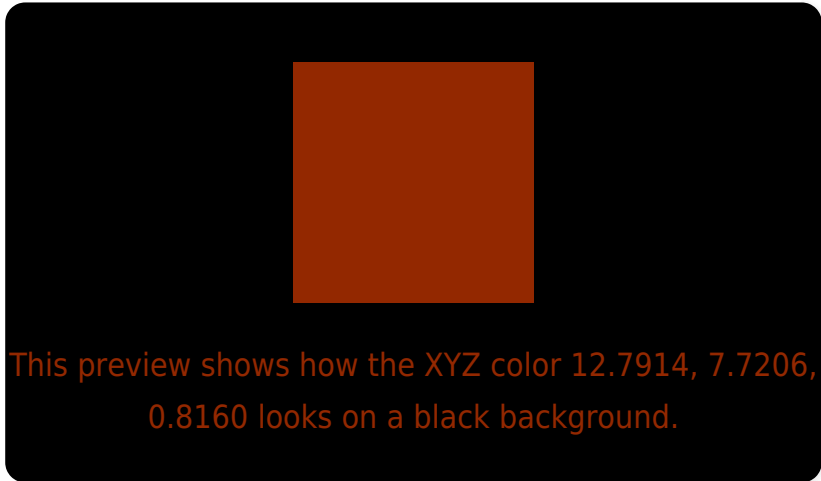
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7914, 7.7206, 0.8160

Background



This preview shows how black text looks on a background with the XYZ color 12.7914, 7.7206, 0.8160.



This preview shows how white text looks on a background with the XYZ color 12.7914, 7.7206,

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

12.7914, 7.7206, 0.8160

Protanopia

7.1863, 7.9515, 1.6863

Deuteranopia

7.9513, 7.9356, 1.1126



Tritanopia

13.2405, 7.7655, 2.7205

Trichromacy



Original Color

12.7914, 7.7206, 0.8160

Protanomaly

8.5062, 7.1843, 1.2550

Deuteranomaly

9.2487, 7.4066, 0.9421

Tritanomaly

13.0813, 7.7523, 1.7266

Monochromacy



Original Color

12.7914, 7.7206, 0.8160

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

6.7230, 5.5875, 3.0096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7914, 7.7206, 0.8160 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(147, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 40, 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(147, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 40, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.7914, 7.7206, 0.8160 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(147, 40, 0) }
```


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

```
.border{ border-color:rgb(147, 40, 0) }
```

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

Here you see how a box with a 4 pixel rgb(147, 40, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 40, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7914, 7.7206, 0.8160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 40, 0) }
```

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

```
.background{ background-color: rgb(147, 40,  
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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