

Converting Colors

XYZ(9.6143, 8.0668, 0.0000)

Have a look what the booklet for
XYZ(9.6143, 8.0668, 0.0000)
contains.

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Color

XYZ(9.8129, 8.1273, 1.0515)

Conversions

Conversions Part 1

Format	Color
Hex	784400
RGB	120, 68, 0
RGB Percent	47%, 27%, 0%
CMY	0.5294, 0.7333, 1.0000
CMYK	0.00, 0.43, 1.00, 0.53
HSL	34°, 100%, 24%
HSV	34°, 100%, 47%
XYZ	9.8129, 8.1273, 1.0515
YIQ	75.7960, 52.8200, -10.1240

Conversions

Conversions Part 2

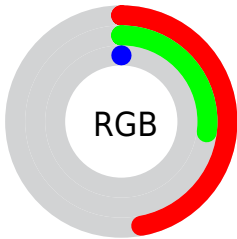
Format	Color
RYB	92, 120, 0
Decimal	7881728
CIELab	34.25, 17.98, 44.04
CIElCh	34, 47.571, 67.791
Yxy	8.1273, 0.5167, 0.4279
Android (android.graphics.Color)	4286071808 (0xFF784400)
YUV	75.7960, -37.3674, 38.7669
Hunter-Lab	28.5084, 11.5519, 17.7691

Details

The XYZ color **9.8129, 8.1273, 1.0515** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **4.6181, 3.8119, 18.2617**, and the grayscale version is **6.8918, 7.2507, 7.8961**.

A 20% lighter version of the original color is **24.9967, 22.0858, 6.1943**, and **2.5066, 1.7771, 0.2109** is the 20% darker color. If you saturate the color by 10%, you get **9.8130, 8.1276, 1.0516**, and if you desaturate by 10%, it is **10.2080, 8.8114, 1.5106**.

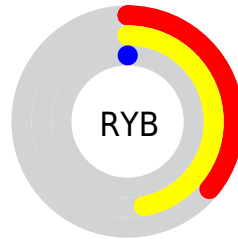
Distribution



Red (47%)

Green (27%)

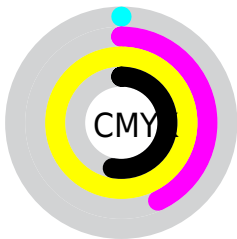
Blue (0%)



Red (36%)

Yellow (47%)

Blue (0%)

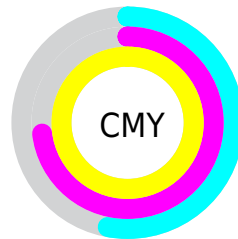


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (53%)



Cyan (53%)


Magenta (73%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 9.8129, 8.1273, 1.0515 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 9.8129, 8.1273, 1.0515 by changing the saturation by 10% instead.


 9.8129, 8.1273,
1.0515


 9.8129, 8.1273,
1.0515


 183.4131,
176.7271, 105.2701


 5.3364, 4.1765,
0.0000

 25.0959, 22.2076,
6.2313


 2.4827, 1.7728,
0.0000


 36.6330, 33.1060,
11.4185

 0.8866, 0.4701,
0.0000

 51.2545, 47.0889,
18.8951

 0.0000, 0.0000,
0.0000


 69.3255, 64.5409,
29.0798


 91.2116, 85.8463,
42.3911


 117.2780,


111.3896, 59.2476

 147.8900,
141.5550, 80.0677


 9.8129, 8.1273,
1.0515


 9.8129, 8.1273,
1.0515


 9.8130, 8.1276,
1.0516

 10.2080, 8.8114,
1.5106

 10.6637, 9.5652,
2.1485

 11.2038, 10.3996,
3.0860

 11.8352, 11.3184,
4.3574

 12.5643, 12.3251,
5.9920

■ 13.3965, 13.4229,
8.0160

■ 14.3369, 14.6149,
10.4531

■ 15.3901, 15.9036,
13.3253

■ 16.5607, 17.2920,
16.6526

Harmonies

Analogous

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



12.4858, 8.1273, 2.5850



9.8129, 8.1273, 1.0515



7.0551, 8.1273, 0.8330

Triad

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



9.8129, 8.1273, 1.0515



3.6995, 8.1273, 10.9762



11.2825, 8.1273, 26.0913

Complementary

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



9.8129, 8.1273, 1.0515



4.6181, 3.8119, 18.2617

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.



8.4355, 8.1273, 32.5751



9.8129, 8.1273, 1.0515



4.3601, 8.1273, 21.1252

Square

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



9.8129, 8.1273, 1.0515



3.9056, 8.1273, 4.4036



5.9561, 8.1273, 30.3692



13.4605, 8.1273, 15.5822

Rectangle

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



9.8129, 8.1273, 1.0515



5.5862, 8.1273, 1.2033



5.9561, 8.1273, 30.3692



10.3493, 8.1273, 29.0245

Sweetspot

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



9.8131, 8.1277, 1.0516



25.0875, 25.5448, 18.0439



8.3656, 4.2411, 3.6266



5.8077, 5.8808, 3.9140



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



9.8131, 8.1277, 1.0516



17.1253, 14.0269, 1.8049



13.3986, 16.8777, 2.5516



4.1692, 4.3567, 4.2457



10.6912, 8.8383, 1.1425



50.1396, 40.4427, 5.1636

Inverse Universe

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



4.6181, 3.8119, 18.2617



7.9938, 6.4473, 32.0762



3.4903, 1.4077, 17.8571



3.9272, 4.1527, 5.0377



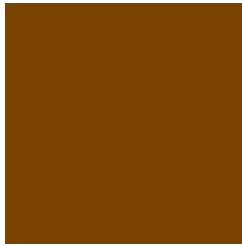
5.0243, 4.1310, 19.9178



23.1524, 18.0774, 94.7388

Previews

White Background



This preview shows how the XYZ color 9.8129, 8.1273, 1.0515 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



This preview shows how the XYZ color 9.8129, 8.1273, 1.0515 looks on a 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 9.8129, 8.1273, 1.0515

Background



This preview shows how black text looks on a background with the XYZ color 9.8129, 8.1273, 1.0515.



This preview shows how white text looks on a background with the XYZ color 9.8129, 8.1273, 1.0515.

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

9.8129, 8.1273, 1.0515

Protanopia

7.4108, 8.1821, 1.4759

Deuteranopia

8.2474, 8.1913, 1.1464



Tritanopia

10.8469, 8.1099, 6.4625

Trichromacy



Original Color

9.8129, 8.1273, 1.0515

Protanomaly

8.0968, 8.0068, 1.2910

Deuteranomaly

8.7555, 8.1488, 1.1114

Tritanomaly

10.2115, 8.0200, 3.2953

Monochromacy



Original Color

9.8129, 8.1273, 1.0515

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

7.3297, 7.2538, 3.8101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8129, 8.1273, 1.0515 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(120, 68, 0)` looks like.

```
.text, #text, p{  
    color:rgb(120, 68, 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(120, 68, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 68, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.8129, 8.1273, 1.0515 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(120, 68, 0) }
```

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

```
.border{ border-color:rgb(120, 68, 0) }
```

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

Here you see how a box with a 4 pixel rgb(120, 68, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 68, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 68, 0);  
box-shadow:4px 4px 4px 4px rgb(120, 68, 0)  
}
```


Background

The CSS property to change the background color of an element to XYZ 9.8129, 8.1273, 1.0515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 68, 0) }
```

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

```
.background{ background-color: rgb(120, 68,  
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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