

Converting Colors

XYZ(12.8884, 10.8812, 2.0914)

Have a look what the booklet for
XYZ(12.8884, 10.8812, 2.0914)
contains.

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Color

**XYZ(12.8264, 10.8562,
2.0812)**

Conversions

Conversions Part 1

Format	Color
Hex	865014
RGB	134, 80, 20
RGB Percent	53%, 31%, 8%
CMY	0.4745, 0.6863, 0.9216
CMYK	0.00, 0.40, 0.85, 0.47
HSL	32°, 74%, 30%
HSV	32°, 85%, 53%
XYZ	12.8264, 10.8562, 2.0812
YIQ	89.3060, 51.4440, -7.2120

Conversions

Conversions Part 2

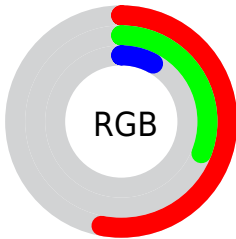
Format	Color
R_{YB}	123, 134, 20
Decimal	8802324
CIE _{Lab}	39.34, 17.94, 41.93
CIE _{LCh}	39, 45.611, 66.837
Yxy	10.8562, 0.4978, 0.4214
Android (android.graphics.Color)	4286992404 (0xFF865014)
YUV	89.3060, -34.1679, 39.1966
Hunter-Lab	32.9487, 11.8268, 19.3191

Details

The XYZ color **12.8264, 10.8562, 2.0812** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **7.0400, 6.7669, 23.4890**, and the grayscale version is **9.6292, 10.1307, 11.0323**.

A 20% lighter version of the original color is **30.6627, 27.3367, 9.2906**, and **3.8255, 2.8643, 0.3512** is the 20% darker color. If you saturate the color by 10%, you get **12.2935, 9.9347, 1.4592**, and if you desaturate by 10%, it is **13.4674, 11.8922, 3.0541**.

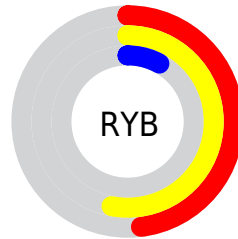
Distribution



Red (53%)

Green (31%)

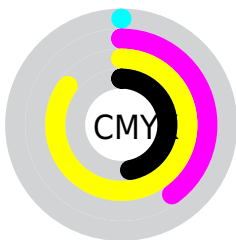
Blue (8%)



Red (48%)

Yellow (53%)

Blue (8%)

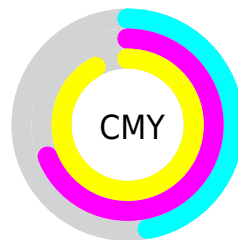


Cyan (0%)

Magenta (40%)

Yellow (85%)

Black (47%)



Cyan (47%)

Magenta (69%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8264, 10.8562, 2.0812 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 12.8264, 10.8562, 2.0812 by changing the saturation by 10% instead.

■ 12.8264, 10.8562,
2.0812

■ 12.8264, 10.8562,
2.0812

203.4622,
196.6783, 123.6252

■ 7.3853, 5.9702,
0.6045

■ 30.5955, 27.3939,
9.2616

■ 3.7527, 2.8270,
0.0000

■ 43.6542, 39.8145,
15.8454

■ 1.5632, 1.0421,
0.0000

■ 59.9829, 55.5154,
24.9828

■ 0.3682, 0.0000,
0.0000


■ 79.9468, 74.8810,
37.0926


■ 0.0000, 0.0000,
0.0000


■ 103.9113, 98.2957,
52.5932


■ 132.2418,


126.1439, 71.9031


 165.3037,
158.8099, 95.4409


 12.8264, 10.8562,
2.0812


 12.8264, 10.8562,
2.0812


 12.2935, 9.9347,
1.4592


 13.4674, 11.8922,
3.0541

 12.0549, 9.5153,
1.2013

 14.2284, 13.0477,
4.4369

 15.1184, 14.3288,
6.2718

 16.1456, 15.7404,
8.5955

 17.3171, 17.2871,
11.4410

■ 18.6395, 18.9731,
14.8382

■ 20.1192, 20.8025,
18.8150

■ 21.7618, 22.7791,
23.3970

■ 23.5729, 24.9065,
28.6086

Harmonies

Analogous

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



15.8181, 10.8562, 4.2915



12.8264, 10.8562, 2.0812



9.6297, 10.8562, 1.7138

Triad

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



12.8264, 10.8562, 2.0812



5.4864, 10.8562, 13.9558



14.2898, 10.8562, 31.2419

Complementary

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



12.8264, 10.8562, 2.0812



7.0400, 6.7669, 23.4890

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.



11.0393, 10.8562, 37.9064



12.8264, 10.8562, 2.0812



6.2690, 10.8562, 25.1759

Square

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



12.8264, 10.8562, 2.0812



5.7770, 10.8562, 6.3276



8.1609, 10.8562, 35.2608



16.7736, 10.8562, 19.8214

Rectangle

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



12.8264, 10.8562, 2.0812



7.8702, 10.8562, 2.2289



8.1609, 10.8562, 35.2608



13.2282, 10.8562, 34.3175

Sweetspot

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



12.8266, 10.8568, 2.0814



32.4750, 32.9682, 25.1832



11.3550, 6.0780, 7.2493



7.1602, 7.2297, 5.2686



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.8266, 10.8568, 2.0814



21.0864, 16.4584, 2.0654



18.1825, 22.0140, 3.9527



4.8603, 5.0642, 4.9507



11.3082, 8.9390, 1.1294



0.0465, 0.0456, 0.0063

Inverse Universe

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



7.0400, 6.7669, 23.4890



10.6087, 9.0868, 40.9332



4.8819, 2.3910, 22.7581



4.6029, 4.8813, 5.9003



5.7334, 5.0147, 21.8024



0.0271, 0.0318, 0.0779

Previews

White Background



This preview shows how the XYZ color 12.8264, 10.8562, 2.0812 looks on a white background.

Color Contrast Check

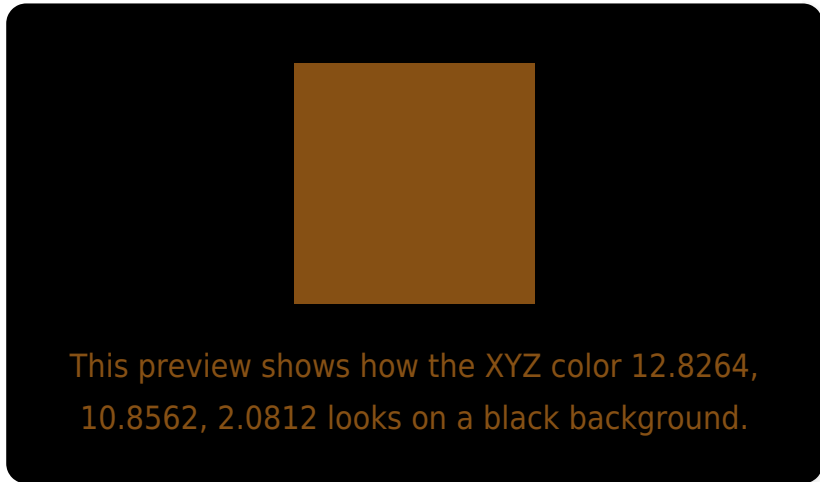
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8264, 10.8562, 2.0812

Background



This preview shows how black text looks on a background with the XYZ color 12.8264, 10.8562, 2.0812.



This preview shows how white text looks on a background with the XYZ color 12.8264, 10.8562,

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

12.8264, 10.8562, 2.0812

Protanopia

9.8947, 10.8938, 2.3918

Deuteranopia

11.0472, 10.8655, 1.9669



Tritanopia

14.2806, 10.9297, 8.9464

Trichromacy



Original Color

12.8264, 10.8562, 2.0812

Protanomaly

10.8370, 10.7504, 2.2629

Deuteranomaly

11.6619, 10.8226, 2.0046

Tritanomaly

13.5709, 10.8475, 5.3815

Monochromacy



Original Color

12.8264, 10.8562, 2.0812

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.0789, 10.0290, 6.2551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8264, 10.8562, 2.0812 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(134, 80, 20)` looks like.

```
.text, #text, p{  
    color:rgb(134, 80, 20)  
}
```

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(134, 80, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 80, 20) }
```

Border

The CSS property to change the border of an element to XYZ 12.8264, 10.8562, 2.0812 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(134, 80, 20) }
```


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

```
.border{ border-color:rgb(134, 80, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 80, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 80, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 80, 20);  
box-shadow:4px 4px 4px 4px rgb(134, 80,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8264, 10.8562, 2.0812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 80, 20) }
```

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

```
.background{ background-color: rgb(134, 80,  
20) }
```

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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