

Converting Colors

XYZ(12.8147, 12.0697, 2.7245)

Have a look what the booklet for
XYZ(12.8147, 12.0697, 2.7245)
contains.

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Color

**XYZ(12.7679, 11.9854,
2.7391)**

Conversions

Conversions Part 1

Format	Color
Hex	805A1C
RGB	128, 90, 28
RGB Percent	50%, 35%, 11%
CMY	0.4980, 0.6470, 0.8902
CMYK	0.00, 0.30, 0.78, 0.50
HSL	37°, 64%, 31%
HSV	37°, 78%, 50%
XYZ	12.7679, 11.9854, 2.7391
YIQ	94.2940, 42.5500, -11.2260

Conversions

Conversions Part 2

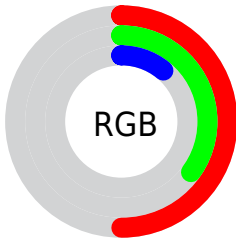
Format	Color
RYB	89, 128, 28
Decimal	8411676
CIELab	41.19, 9.55, 40.01
CIELCh	41, 41.131, 76.572
Yxy	11.9854, 0.4644, 0.4360
Android (android.graphics.Color)	4286601756 (0xFF805A1C)
YUV	94.2940, -32.6829, 29.5602
Hunter-Lab	34.6199, 5.2463, 19.5430

Details

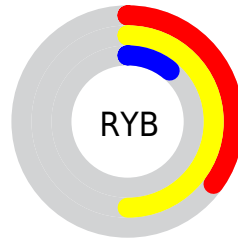
The XYZ color **12.7679, 11.9854, 2.7391** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.3233, 5.7017, 21.1893**, and the grayscale version is **10.7774, 11.3386, 12.3478**.

A 20% lighter version of the original color is **30.4498, 29.4683, 10.9206**, and **3.8400, 3.3726, 0.4486** is the 20% darker color. If you saturate the color by 10%, you get **12.2493, 11.1433, 1.9648**, and if you desaturate by 10%, it is **13.3791, 12.9084, 3.8662**.

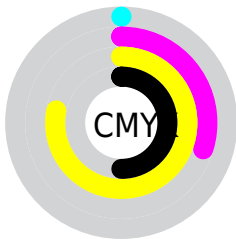
Distribution



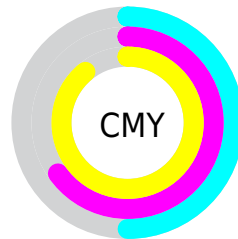
- Red (50%)
- Green (35%)
- Blue (11%)



- Red (35%)
- Yellow (50%)
- Blue (11%)



- Cyan (0%)
- Magenta (30%)
- Yellow (78%)
- Black (50%)



- Cyan (50%)
- Magenta (65%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7679, 11.9854, 2.7391 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 12.7679, 11.9854, 2.7391 by changing the saturation by 10% instead.

■ 12.7679, 11.9854,
2.7391

■ 12.7679, 11.9854,
2.7391

203.0926,
204.3086, 132.9650

■ 7.3448, 6.7337,
0.9630

■ 30.4910, 29.4685,
10.9776

■ 3.7269, 3.2961,
0.0000

■ 43.5218, 42.4688,
18.2770

■ 1.5488, 1.2882,
0.0000

■ 59.8192, 58.8206,
28.2547

■ 0.3587, 0.1321,
0.0000

■ 79.7485, 78.9086,
41.3291

■ 0.0000, 0.0000,
0.0000

■ 103.6752,
103.1169, 57.9188

■ 131.9645,

131.8301, 78.4423

164.9818,
165.4326, 103.3182

12.7679, 11.9854,
2.7391

12.7679, 11.9854,
2.7391

12.2493, 11.1433,
1.9648

13.3791, 12.9084,
3.8662

11.8042, 10.3724,
1.4489

14.0900, 13.9146,
5.3844

11.7244, 10.2338,
1.3574

14.9077, 15.0081,
7.3278

15.8384, 16.1919,
9.7264

16.8876, 17.4693,
12.6076

■ 18.0606, 18.8429,
15.9965

■ 19.3623, 20.3153,
19.9166

■ 20.7971, 21.8892,
24.3898

■ 22.3695, 23.5669,
29.4368

Harmonies

Analogous

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



15.7784, 11.9854, 4.4203



12.7679, 11.9854, 2.7391



9.8416, 11.9854, 2.8218

Triad

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



12.7679, 11.9854, 2.7391



6.7540, 11.9854, 18.2837



16.0548, 11.9854, 27.8028

Complementary

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



12.7679, 11.9854, 2.7391



6.3233, 5.7017, 21.1893

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.



13.0967, 11.9854, 35.7931



12.7679, 11.9854, 2.7391



7.9044, 11.9854, 28.8648

Square

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



12.7679, 11.9854, 2.7391



6.6970, 11.9854, 9.6132



10.1182, 11.9854, 36.2493



17.8866, 11.9854, 17.2216

Rectangle

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



12.7679, 11.9854, 2.7391



8.3209, 11.9854, 3.8379



10.1182, 11.9854, 36.2493



15.1381, 11.9854, 31.0489

Sweetspot

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



12.7682, 11.9860, 2.7393



30.6546, 31.8472, 24.8252



10.3106, 5.8171, 5.7855



7.0303, 7.2832, 5.3922



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.7682, 11.9860, 2.7393



20.9388, 18.5233, 2.7573



15.1756, 19.2580, 4.0161



4.5323, 4.7534, 4.5987



11.6269, 10.1503, 1.3464



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.3233, 5.7017, 21.1893



9.1216, 7.0824, 36.8426



5.1738, 2.8336, 20.6963



4.2324, 4.4588, 5.4508



4.9387, 3.6960, 20.7030



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7679, 11.9854, 2.7391 looks on a white background.

Color Contrast Check

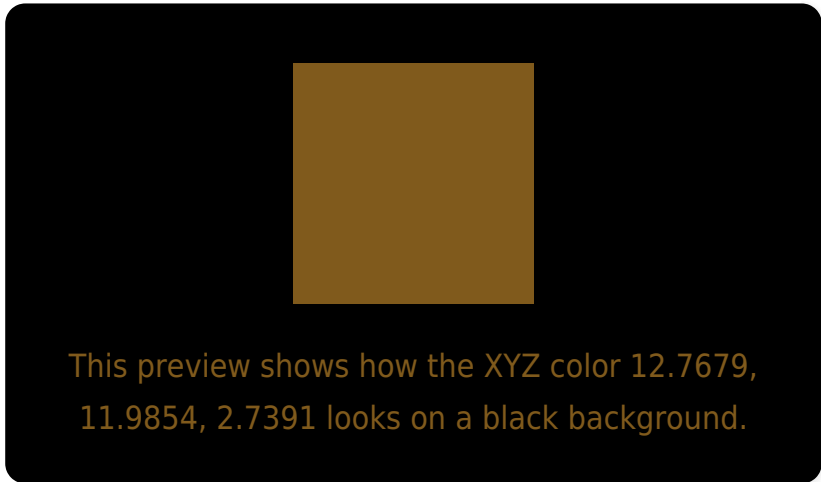
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7679, 11.9854, 2.7391

Background



This preview shows how black text looks on a background with the XYZ color 12.7679, 11.9854, 2.7391.



This preview shows how white text looks on a background with the XYZ color 12.7679, 11.9854,

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

12.7679, 11.9854, 2.7391

Protanopia

10.9087, 12.0803, 2.9851

Deuteranopia

12.1382, 12.0454, 2.7222



Tritanopia

14.5315, 11.9844, 11.2202

Trichromacy



Original Color

12.7679, 11.9854, 2.7391

Protanomaly

11.5164, 11.9861, 2.8690

Deuteranomaly

12.3372, 12.0185, 2.7065

Tritanomaly

13.7010, 11.8861, 6.8823

Monochromacy



Original Color

12.7679, 11.9854, 2.7391

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.9637, 11.3351, 7.4044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7679, 11.9854, 2.7391 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(128, 90, 28)` looks like.

```
.text, #text, p{  
    color:rgb(128, 90, 28)  
}
```

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(128, 90, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 90, 28) }
```

Border

The CSS property to change the border of an element to XYZ 12.7679, 11.9854, 2.7391 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(128, 90, 28) }
```


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

```
.border{ border-color:rgb(128, 90, 28) }
```

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

Here you see how a box with a 4 pixel rgb(128, 90, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 90, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 90, 28);  
box-shadow:4px 4px 4px 4px rgb(128, 90,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7679, 11.9854, 2.7391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 90, 28) }
```

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

```
.background{ background-color: rgb(128, 90,  
28) }
```

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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