

Converting Colors

XYZ(28.7806, 39.8088, 22.0365)

Have a look what the booklet for
XYZ(28.7806, 39.8088, 22.0365)
contains.

XYZ(28.9301, 40.0079, 22.1171)	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(28.9301, 40.0079,
22.1171)**

Conversions

Conversions Part 1

Format	Color
Hex	7FB872
RGB	127, 184, 114
RGB Percent	50%, 72%, 45%
CMY	0.5020, 0.2784, 0.5529
CMYK	0.31, 0.00, 0.38, 0.28
HSL	109°, 33%, 58%
HSV	109°, 38%, 72%
XYZ	28.9301, 40.0079, 22.1171
YIQ	158.9770, -11.5020, -33.8540

Conversions

Conversions Part 2

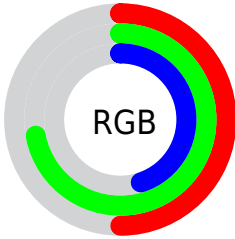
Format	Color
RYB	114, 184, 171
Decimal	8370290
CIELab	69.48, -32.09, 29.80
CIELCh	69, 43.796, 137.116
Yxy	40.0079, 0.3177, 0.4394
Android (android.graphics.Color)	4286560370 (0xFF7FB872)
YUV	158.9770, -22.1737, -28.0438
Hunter-Lab	63.2518, -29.0483, 23.5445

Details

The XYZ color **28.9301, 40.0079, 22.1171** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **31.4655, 24.1545, 48.3534**, and the grayscale version is **33.0469, 34.7679, 37.8623**.

A 20% lighter version of the original color is **57.1912, 74.9340, 48.0086**, and **11.9721, 18.1101, 7.8656** is the 20% darker color. If you saturate the color by 10%, you get **25.9185, 38.5656, 17.0483**, and if you desaturate by 10%, it is **32.4863, 41.7090, 28.3129**.

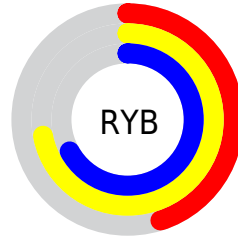
Distribution



Red (50%)

Green (72%)

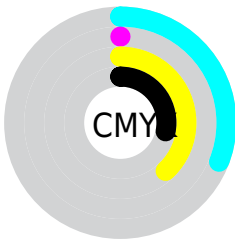
Blue (45%)



Red (45%)

Yellow (72%)

Blue (67%)

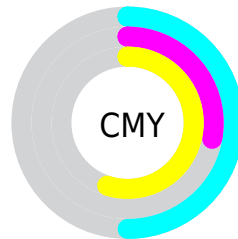


Cyan (31%)

Magenta (0%)

Yellow (38%)

Black (28%)



Cyan (50%)

Magenta (28%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9301, 40.0079, 22.1171 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 28.9301, 40.0079, 22.1171 by changing the saturation by 10% instead.

■ 28.9301, 40.0079,
22.1171

■ 28.9301, 40.0079,
22.1171

288.8852,
346.1569, 276.1306

■ 19.1720, 27.5447,
13.7438

■ 57.3643, 75.1755,
47.8441

■ 11.8993, 17.9827,
7.8060

■ 76.7712, 98.6488,
66.0350

■ 6.7469, 10.9376,
3.8851

■ 100.1249,
126.5608, 88.3354

■ 3.3492, 6.0249,
1.5625

127.7909,
159.2961, 115.1640

■ 1.3410, 2.8602,
0.2639

160.1346,
197.2389, 146.9393

■ 0.2136, 1.0592,
0.0000

197.5213,

■ 0.0000, 0.0000,

240.7737, 184.0798

0.0000

240.3164,
290.2849, 227.0040

■ 28.9301, 40.0079,
22.1171

■ 28.9301, 40.0079,
22.1171

■ 25.9185, 38.5656,
17.0483

■ 32.4863, 41.7090,
28.3129

■ 23.4212, 37.3645,
13.0361

■ 36.6095, 43.6754,
35.6949

■ 21.4095, 36.3924,
10.0067


■ 41.3244, 45.9200,
44.3216


■ 19.8504, 35.6342,
7.8752


■ 46.6534, 48.4530,
54.2467


■ 18.7065, 35.0728,
6.5428


■ 52.6176, 51.2843,
65.5207

 17.9275, 34.6856,
5.8535

 59.2371, 54.4232,
78.1915

 17.8065, 34.6255,
5.7449

 66.5313, 57.8787,
92.3046

 73.5033, 61.2532,
102.5567

 76.4313, 62.7626,
102.6938

Harmonies

Analogous

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



34.1732, 40.0079, 15.9885



28.9301, 40.0079, 22.1171



26.2795, 40.0079, 35.4633

Triad

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



28.9301, 40.0079, 22.1171



35.0820, 40.0079, 93.4487



52.5148, 40.0079, 33.1021

Complementary

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



28.9301, 40.0079, 22.1171



31.4655, 24.1545, 48.3534

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.



52.8369, 40.0079, 52.8080



28.9301, 40.0079, 22.1171



42.1587, 40.0079, 92.2193

Square

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



28.9301, 40.0079, 22.1171



29.5243, 40.0079, 78.6661



48.8535, 40.0079, 75.6965



48.0213, 40.0079, 20.8512

Rectangle

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



28.9301, 40.0079, 22.1171



26.0947, 40.0079, 48.5524



48.8535, 40.0079, 75.6965



53.1325, 40.0079, 38.9254

Sweetspot

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



28.9311, 40.0096, 22.1180



72.1064, 81.9055, 75.1815



37.1809, 40.1566, 21.7115



15.2938, 17.5377, 15.7476



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



28.9311, 40.0096, 22.1180



47.6249, 70.2160, 31.9648



28.4544, 39.6095, 29.0683



9.0418, 10.1382, 9.5872



12.3165, 23.8857, 3.9613



0.4816, 0.8665, 0.1419

Inverse Universe

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



31.4655, 24.1545, 48.3534



52.8732, 37.1848, 86.5953



32.3968, 24.8704, 37.7449



9.2130, 9.0762, 11.3457



14.6656, 6.8716, 31.8065



0.5599, 0.2644, 1.1233

Previews

White Background



This preview shows how the XYZ color 28.9301, 40.0079, 22.1171 looks on a white 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

Black Background



This preview shows how the XYZ color 28.9301, 40.0079, 22.1171 looks on a black 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

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

XYZ 28.9301, 40.0079, 22.1171

Background



This preview shows how black text looks on a background with the XYZ color 28.9301, 40.0079, 22.1171.



This preview shows how white text looks on a background with the XYZ color 28.9301, 40.0079,

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

28.9301, 40.0079, 22.1171

Protanopia

36.6619, 39.6490, 19.9081

Deuteranopia

40.3375, 39.5901, 22.9684



Tritanopia

35.3305, 39.9095, 53.9853

Trichromacy



Original Color

28.9301, 40.0079, 22.1171

Protanomaly

33.0548, 39.1844, 20.5730

Deuteranomaly

35.0412, 39.0325, 22.5168

Tritanomaly

32.4337, 39.6003, 40.1166

Monochromacy



Original Color

28.9301, 40.0079, 22.1171

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

30.9932, 36.1915, 31.3387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9301, 40.0079, 22.1171 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(127, 184, 114)` looks like.

```
.text, #text, p{  
    color:rgb(127, 184, 114)  
}
```

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(127, 184, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 184, 114) }
```

Border

The CSS property to change the border of an element to XYZ 28.9301, 40.0079, 22.1171 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(127, 184, 114) }
```


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

```
.border{ border-color:rgb(127, 184, 114) }
```

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

Here you see how a box with a 4 pixel rgb(127, 184, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 184, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 184, 114);  
box-shadow:4px 4px 4px 4px rgb(127, 184,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9301, 40.0079, 22.1171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 184, 114) }
```

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

```
.background{ background-color: rgb(127,  
184, 114) }
```

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