

Converting Colors

XYZ(30.7411, 41.0913, 22.7198)

Have a look what the booklet for
XYZ(30.7411, 41.0913, 22.7198)
contains.

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Color

**XYZ(30.8179, 41.2772,
22.8660)**

Conversions

Conversions Part 1

Format	Color
Hex	89B974
RGB	137, 185, 116
RGB Percent	54%, 73%, 45%
CMY	0.4627, 0.2745, 0.5451
CMYK	0.26, 0.00, 0.37, 0.27
HSL	102°, 33%, 59%
HSV	102°, 37%, 73%
XYZ	30.8179, 41.2772, 22.8660
YIQ	162.7820, -6.4590, -31.6350

Conversions

Conversions Part 2

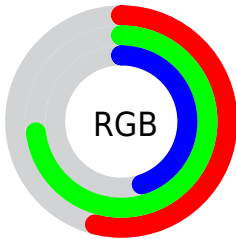
Format	Color
RYB	116, 185, 164
Decimal	9025908
CIELab	70.37, -28.78, 30.03
CIELCh	70, 41.600, 133.783
Yxy	41.2772, 0.3245, 0.4347
Android (android.graphics.Color)	4287215988 (0xFF89B974)
YUV	162.7820, -23.0635, -22.6108
Hunter-Lab	64.2473, -26.8107, 23.8715

Details

The XYZ color **30.8179, 41.2772, 22.8660** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **30.3138, 23.8872, 48.9141**, and the grayscale version is **34.8183, 36.6316, 39.8918**.

A 20% lighter version of the original color is **60.3550, 76.9816, 49.2140**, and **13.0107, 18.8391, 8.2608** is the 20% darker color. If you saturate the color by 10%, you get **27.8620, 39.8668, 17.6589**, and if you desaturate by 10%, it is **34.2420, 42.9066, 29.2155**.

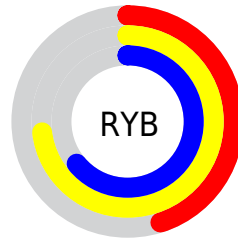
Distribution



Red (54%)

Green (73%)

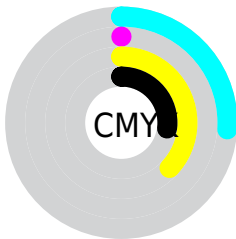
Blue (45%)



Red (45%)

Yellow (73%)

Blue (64%)

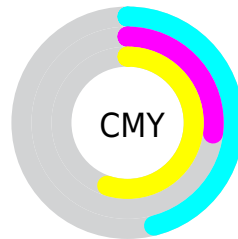


Cyan (26%)

Magenta (0%)

Yellow (37%)

Black (27%)



Cyan (46%)

Magenta (27%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8179, 41.2772, 22.8660 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 30.8179, 41.2772, 22.8660 by changing the saturation by 10% instead.

■ 30.8179, 41.2772,
22.8660

■ 30.8179, 41.2772,
22.8660

297.5404,
351.4778, 280.1356

■ 20.6114, 28.5357,
14.2902

■ 60.3311, 77.1045,
49.0936

■ 12.9511, 18.7299,
8.1817

■ 80.3684, 100.9592,
67.5825

■ 7.4716, 11.4753,
4.1220

■ 104.4134,
129.2870, 90.2129

■ 3.8077, 6.3875,
1.6925

132.8313,
162.4724, 117.4033

■ 1.5939, 3.0821,
0.3556

165.9877,
200.8998, 149.5722

■ 0.3884, 1.1747,
0.0000

204.2477,

■ 0.0000, 0.0409,

244.9536, 187.1382

0.0000

247.9769,
295.0181, 230.5198

■ 0.0000, 0.0000,
0.0000

■ 30.8179, 41.2772,
22.8660

■ 30.8179, 41.2772,
22.8660

■ 27.8620, 39.8668,
17.6589

■ 34.2420, 42.9066,
29.2155

■ 25.3495, 38.6605,
13.5235

■ 38.1511, 44.7588,
36.7667

■ 23.2579, 37.6495,
10.3860


■ 42.5653, 46.8439,
45.5783


■ 21.5614, 36.8224,
8.1616


■ 47.5024, 49.1701,
55.7043


■ 20.2307, 36.1662,
6.7517

■ 52.9793, 51.7448,
67.1955


 19.2273, 35.6643,
6.0141

 59.0120, 54.5755,
80.1000

 18.9975, 35.5490,
5.8604

 65.6162, 57.6690,
94.4636

 71.3224, 60.4383,
102.5144

 75.8471, 62.7709,
102.7262

Harmonies

Analogous

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



36.1819, 41.2772, 17.3896



30.8179, 41.2772, 22.8660



27.9106, 41.2772, 35.2240

Triad

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



30.8179, 41.2772, 22.8660



35.6732, 41.2772, 91.6810



53.4424, 41.2772, 36.5538

Complementary

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



30.8179, 41.2772, 22.8660



30.3138, 23.8872, 48.9141

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.



53.2650, 41.2772, 56.3050



30.8179, 41.2772, 22.8660



42.4504, 41.2772, 92.3485

Square

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



30.8179, 41.2772, 22.8660



30.4829, 41.2772, 76.3690



49.0548, 41.2772, 77.9909



49.5146, 41.2772, 23.5944

Rectangle

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



30.8179, 41.2772, 22.8660



27.5182, 41.2772, 47.4753



49.0548, 41.2772, 77.9909



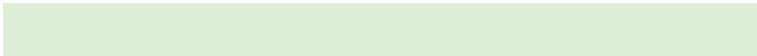
53.8738, 41.2772, 42.5040

Sweetspot

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



30.8189, 41.2790, 22.8669



73.0521, 82.3930, 75.2258



36.2854, 37.8246, 21.9120



15.5189, 17.6538, 15.7582



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.



30.8189, 41.2790, 22.8669



50.6720, 71.7681, 32.9526



28.4919, 39.9884, 26.8648



9.1405, 10.1891, 9.5918



13.0010, 24.2386, 3.9933



0.5233, 0.8880, 0.1438

Inverse Universe

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



30.3138, 23.8872, 48.9141



49.6095, 35.9785, 86.5345



33.7345, 25.7982, 42.4095



9.1077, 9.0219, 11.3408



12.1729, 5.5866, 31.6898



0.4889, 0.2278, 1.1199

Previews

White Background



This preview shows how the XYZ color 30.8179, 41.2772, 22.8660 looks on a white background.

Color Contrast Check

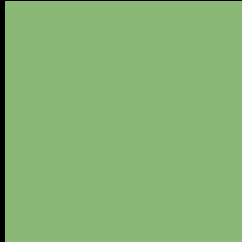
Large Text (above 18pt) WCAG AA × Fail

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 30.8179, 41.2772, 22.8660 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 30.8179, 41.2772, 22.8660

Background



This preview shows how black text looks on a background with the XYZ color 30.8179, 41.2772, 22.8660.



This preview shows how white text looks on a background with the XYZ color 30.8179, 41.2772,

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

30.8179, 41.2772, 22.8660

Protanopia

37.9257, 40.8383, 20.9226

Deuteranopia

41.6285, 40.7688, 23.7643



Tritanopia

37.2140, 41.1579, 54.6981

Trichromacy



Original Color

30.8179, 41.2772, 22.8660

Protanomaly

34.8682, 40.6779, 21.6367

Deuteranomaly

36.9047, 40.5403, 23.3327

Tritanomaly

34.4080, 40.9043, 40.7322

Monochromacy



Original Color

30.8179, 41.2772, 22.8660

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.0776, 38.0712, 32.7992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8179, 41.2772, 22.8660 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(137, 185, 116)` looks like.

```
.text, #text, p{  
    color:rgb(137, 185, 116)  
}
```

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(137, 185, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 185, 116) }
```

Border

The CSS property to change the border of an element to XYZ 30.8179, 41.2772, 22.8660 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(137, 185, 116) }
```


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

```
.border{ border-color:rgb(137, 185, 116) }
```

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

Here you see how a box with a 4 pixel rgb(137, 185, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 185, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 185, 116);  
box-shadow:4px 4px 4px 4px rgb(137, 185,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8179, 41.2772, 22.8660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 185, 116) }
```

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

```
.background{ background-color: rgb(137,  
185, 116) }
```

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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