

Converting Colors

XYZ(12.3037, 22.8105, 17.3734)

Have a look what the booklet for
XYZ(12.3037, 22.8105, 17.3734)
contains.

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Color

**XYZ(13.8298, 23.4971,
17.4422)**

Conversions

Conversions Part 1

Format	Color
Hex	00986A
RGB	0, 152, 106
RGB Percent	0%, 60%, 42%
CMY	0.9999, 0.4039, 0.5843
CMYK	1.00, 0.00, 0.30, 0.40
HSL	162°, 100%, 30%
HSV	162°, 100%, 60%
XYZ	13.8298, 23.4971, 17.4422
YIQ	101.3080, -75.8260, -46.5300

Conversions

Conversions Part 2

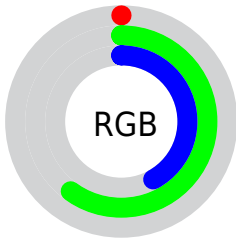
Format	Color
RYB	0, 90, 152
Decimal	39018
CIELab	55.58, -45.55, 14.79
CIELCh	56, 47.896, 162.007
Yxy	23.4971, 0.2525, 0.4290
Android (android.graphics.Color)	4278229098 (0xFF00986A)
YUV	101.3080, 2.3132, -88.8471
Hunter-Lab	48.4738, -33.9023, 12.5975

Details

The XYZ color **13.8298, 23.4971, 17.4422** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.4430, 6.8733, 3.2045**, and the grayscale version is **12.4589, 13.1078, 14.2744**.

A 20% lighter version of the original color is **32.2364, 49.0384, 39.6646**, and **5.3466, 9.4301, 5.6761** is the 20% darker color. If you saturate the color by 10%, you get **13.8300, 23.4978, 17.4416**, and if you desaturate by 10%, it is **14.2765, 23.6996, 18.7464**.

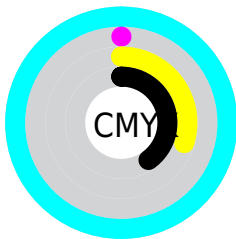
Distribution



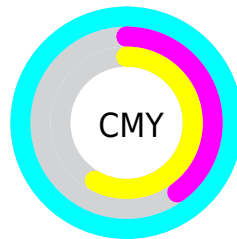
- Red (0%)
- Green (60%)
- Blue (42%)



- Red (0%)
- Yellow (35%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8298, 23.4971, 17.4422 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 13.8298, 23.4971, 17.4422 by changing the saturation by 10% instead.

■ 13.8298, 23.4971,
17.4422

■ 13.8298, 23.4971,
17.4422

209.7013,
270.2680, 249.8376

■ 8.0833, 14.9610,
10.3850

■ 32.3755, 49.2083,
39.8855

■ 4.2005, 8.7920,
5.5460

■ 45.9054, 67.1522,
56.1087

■ 1.8162, 4.6058,
2.5068

■ 62.7606, 89.0007,
76.2244

■ 0.5274, 2.0179,
0.8437

■ 83.3062, 115.1384,
100.6509

■ 0.0000, 0.6178,
0.0000

■ 107.9077,
145.9496, 129.8070

■ 0.0000, 0.0000,
0.0000

■ 136.9305,

181.8186, 164.1111

170.7399,
223.1300, 203.9818

■ 13.8298, 23.4971,
17.4422

■ 13.8298, 23.4971,
17.4422

■ 13.8300, 23.4978,
17.4416

■ 14.2765, 23.6996,
18.7464

■ 14.8824, 23.9821,
20.1255

■ 15.7163, 24.3805,
21.5843

■ 16.8054, 24.9090,
23.1251

■ 18.1731, 25.5795,
24.7499

■ 19.8399, 26.4026,
26.4605

■ 21.8244, 27.3879,
28.2589

■ 24.1436, 28.5442,
30.1466

■ 26.8135, 29.8795,
32.1253

Harmonies

Analogous

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



16.0709, 23.4971, 9.2200



13.8298, 23.4971, 17.4422



13.6266, 23.4971, 32.2949

Triad

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



13.8298, 23.4971, 17.4422



24.5677, 23.4971, 67.1788



30.9874, 23.4971, 10.3792

Complementary

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



13.8298, 23.4971, 17.4422



13.4430, 6.8733, 3.2045

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.



34.1294, 23.4971, 19.8744



13.8298, 23.4971, 17.4422



30.0419, 23.4971, 54.7141

Square

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



13.8298, 23.4971, 17.4422



19.2721, 23.4971, 65.6582



33.7578, 23.4971, 35.9325



25.7026, 23.4971, 6.4244

Rectangle

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



13.8298, 23.4971, 17.4422



14.6237, 23.4971, 44.8425



33.7578, 23.4971, 35.9325



32.3649, 23.4971, 12.8213

Sweetspot

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



13.8304, 23.4980, 17.4427



38.2970, 48.2293, 49.6854



12.4544, 23.0892, 3.8007



8.3831, 10.8022, 11.0097



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.8304, 23.4980, 17.4427



24.3288, 41.4419, 30.3546



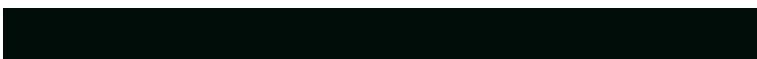
12.8928, 16.7171, 32.2540



6.3049, 6.9947, 7.5290



11.6099, 19.7074, 14.6983



0.1895, 0.3010, 0.3034

Inverse Universe

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



13.4430, 6.8733, 3.2045



23.6567, 12.1030, 5.2853



13.3618, 7.5004, 0.7439



6.2819, 6.2519, 6.8647



11.2834, 5.7676, 2.7513



0.1835, 0.0921, 0.1189

Previews

White Background



This preview shows how the XYZ color 13.8298, 23.4971, 17.4422 looks on a white 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

Black Background



This preview shows how the XYZ color 13.8298, 23.4971, 17.4422 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 × Fail

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

XYZ 13.8298, 23.4971, 17.4422

Background



This preview shows how black text looks on a background with the XYZ color 13.8298, 23.4971, 17.4422.



This preview shows how white text looks on a background with the XYZ color 13.8298, 23.4971,

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

13.8298, 23.4971, 17.4422

Protanopia

21.5643, 23.1164, 14.6346

Deuteranopia

23.6509, 23.1209, 18.5455



Tritanopia

17.5764, 23.3889, 35.4864

Trichromacy



Original Color

13.8298, 23.4971, 17.4422



Protanomaly

15.7493, 21.5590, 15.3878



Deuteranomaly

16.5484, 21.2755, 17.9862



Tritanomaly

15.7730, 23.3219, 27.7150

Monochromacy



Original Color

13.8298, 23.4971, 17.4422



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

11.2790, 15.5022, 15.2297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8298, 23.4971, 17.4422 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(0, 152, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 106)  
}
```

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(0, 152, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 106) }
```

Border

The CSS property to change the border of an element to XYZ 13.8298, 23.4971, 17.4422 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(0, 152, 106) }
```


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

```
.border{ border-color:rgb(0, 152, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8298, 23.4971, 17.4422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 106) }
```

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

```
.background{ background-color: rgb(0, 152,  
106) }
```

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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