

Converting Colors

XYZ(12.8447, 21.9227, 20.7663)

Have a look what the booklet for
XYZ(12.8447, 21.9227, 20.7663)
contains.

XYZ(13.8599, 22.4878, 20.7496)	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(13.8599, 22.4878,
20.7496)**

Conversions

Conversions Part 1

Format	Color
Hex	009476
RGB	0, 148, 118
RGB Percent	0%, 58%, 46%
CMY	0.9999, 0.4196, 0.5373
CMYK	1.00, 0.00, 0.20, 0.42
HSL	168°, 100%, 29%
HSV	168°, 100%, 58%
XYZ	13.8599, 22.4878, 20.7496
YIQ	100.3280, -78.5780, -40.7060

Conversions

Conversions Part 2

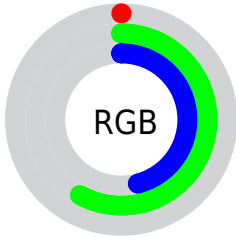
Format	Color
RYB	0, 82, 148
Decimal	38006
CIELab	54.54, -40.88, 6.53
CIELCh	55, 41.399, 170.925
Yxy	22.4878, 0.2427, 0.3939
Android (android.graphics.Color)	4278228086 (0xFF009476)
YUV	100.3280, 8.7123, -87.9877
Hunter-Lab	47.4213, -30.8168, 7.2521

Details

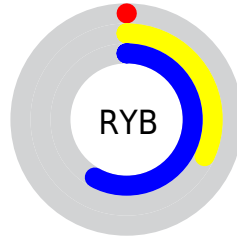
The XYZ color **13.8599, 22.4878, 20.7496** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.4478, 6.3902, 1.8066**, and the grayscale version is **12.1910, 12.8258, 13.9673**.

A 20% lighter version of the original color is **32.4494, 47.5926, 45.5062**, and **5.2884, 8.8079, 7.2157** is the 20% darker color. If you saturate the color by 10%, you get **13.8602, 22.4885, 20.7493**, and if you desaturate by 10%, it is **14.2355, 22.6611, 21.7134**.

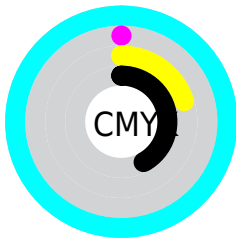
Distribution



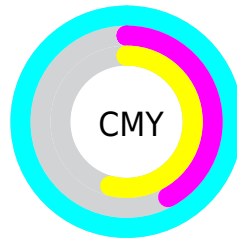
- Red (0%)
- Green (58%)
- Blue (46%)



- Red (0%)
- Yellow (32%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8599, 22.4878, 20.7496 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 13.8599, 22.4878, 20.7496 by changing the saturation by 10% instead.

■ 13.8599, 22.4878,
20.7496

■ 13.8599, 22.4878,
20.7496

209.8856,
265.0832, 268.6819

■ 8.1043, 14.2158,
12.7516

■ 32.4286, 47.5509,
45.5458

■ 4.2142, 8.2709,
7.1290

■ 45.9724, 65.1108,
63.1811

■ 1.8240, 4.2688,
3.4633

■ 62.8430, 86.5354,
84.8659

■ 0.5321, 1.8250,
1.3358

■ 83.4058, 112.2091,
111.0188

■ 0.0000, 0.5027,
0.0908

■ 108.0261,
142.5164, 142.0584

■ 0.0000, 0.0000,
0.0000

■ 137.0693,

177.8415, 178.4030

170.9007,
218.5690, 220.4714

■ 13.8599, 22.4878,
20.7496

■ 13.8599, 22.4878,
20.7496

■ 13.8602, 22.4885,
20.7493

■ 14.2355, 22.6611,
21.7134

■ 14.7527, 22.9061,
22.7132

■ 15.4778, 23.2576,
23.7529

■ 16.4361, 23.7287,
24.8339

■ 17.6493, 24.3305,
25.9575

■ 19.1365, 25.0729,
27.1248

■ 20.9150, 25.9648,
28.3369

■ 23.0008, 27.0143,
29.5949

■ 25.4083, 28.2291,
30.8995

Harmonies

Analogous

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



15.2874, 22.4878, 11.8644



13.8599, 22.4878, 20.7496



14.2123, 22.4878, 34.5449

Triad

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



13.8599, 22.4878, 20.7496



24.6461, 22.4878, 56.0523



27.3630, 22.4878, 9.7520

Complementary

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



13.8599, 22.4878, 20.7496



12.4478, 6.3902, 1.8066

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.



30.6098, 22.4878, 16.5970



13.8599, 22.4878, 20.7496



28.8933, 22.4878, 43.8696

Square

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



13.8599, 22.4878, 20.7496



20.0263, 22.4878, 58.4052



31.2063, 22.4878, 28.6446



22.7808, 22.4878, 7.1641

Rectangle

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



13.8599, 22.4878, 20.7496



15.4328, 22.4878, 44.7882



31.2063, 22.4878, 28.6446



28.6724, 22.4878, 11.4870

Sweetspot

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



13.8605, 22.4887, 20.7501



36.6964, 45.7086, 49.8651



11.1884, 21.4889, 3.5585



8.0912, 10.2908, 11.1944



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



13.8605, 22.4887, 20.7501



24.3922, 39.6535, 36.2801



10.5071, 12.4612, 29.8694



5.9143, 6.5423, 7.1594



11.8483, 19.2121, 17.7743



0.1553, 0.2392, 0.2715

Inverse Universe

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



12.4478, 6.3902, 1.8066



21.9112, 11.2538, 2.9170



13.0392, 7.9481, 0.8473



5.8460, 5.8335, 6.2954



10.6402, 5.4612, 1.5866



0.1390, 0.0704, 0.0656

Previews

White Background



This preview shows how the XYZ color 13.8599, 22.4878, 20.7496 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 13.8599, 22.4878, 20.7496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

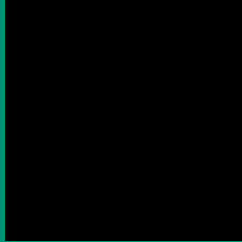
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8599, 22.4878, 20.7496

Background



This preview shows how black text looks on a background with the XYZ color 13.8599, 22.4878, 20.7496.



This preview shows how white text looks on a background with the XYZ color 13.8599, 22.4878,

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

13.8599, 22.4878, 20.7496

Protanopia

21.0595, 22.3878, 17.6793

Deuteranopia

22.5858, 22.1170, 21.8175



Tritanopia

16.8210, 22.5694, 34.4801

Trichromacy



Original Color

13.8599, 22.4878, 20.7496



Protanomaly

15.8008, 21.0874, 18.5667



Deuteranomaly

16.2524, 20.4308, 21.1761



Tritanomaly

15.5146, 22.4650, 29.1097

Monochromacy



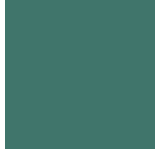
Original Color

13.8599, 22.4878, 20.7496



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

11.1295, 14.8741, 16.1943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8599, 22.4878, 20.7496 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, 148, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 118)  
}
```

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, 148, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 118) }
```

Border

The CSS property to change the border of an element to XYZ 13.8599, 22.4878, 20.7496 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, 148, 118) }
```


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

```
.border{ border-color:rgb(0, 148, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8599, 22.4878, 20.7496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 118) }
```

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

```
.background{ background-color: rgb(0, 148,  
118) }
```

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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