

Converting Colors

XYZ(10.7157, 17.9515, 29.1933)

Have a look what the booklet for
XYZ(10.7157, 17.9515, 29.1933)
contains.

XYZ(13.8382, 19.6219, 29.4436)	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(13.8382, 19.6219,
29.4436)**

Conversions

Conversions Part 1

Format	Color
Hex	008890
RGB	0, 136, 144
RGB Percent	0%, 53%, 56%
CMY	0.9999, 0.4667, 0.4353
CMYK	1.00, 0.06, 0.00, 0.44
HSL	183°, 100%, 28%
HSV	183°, 100%, 56%
XYZ	13.8382, 19.6219, 29.4436
YIQ	96.2480, -83.6240, -26.3440

Conversions

Conversions Part 2

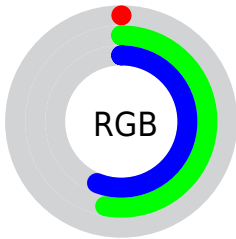
Format	Color
RYB	0, 70, 144
Decimal	34960
CIELab	51.41, -27.51, -13.11
CIELCh	51, 30.476, 205.486
Yxy	19.6219, 0.2200, 0.3119
Android (android.graphics.Color)	4278225040 (0xFF008890)
YUV	96.2480, 23.5417, -84.4095
Hunter-Lab	44.2966, -21.7559, -8.4020

Details

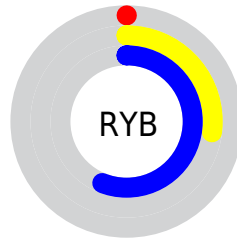
The XYZ color **13.8382, 19.6219, 29.4436** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.5890, 6.1036, 0.5680**, and the grayscale version is **11.1395, 11.7196, 12.7626**.

A 20% lighter version of the original color is **32.4443, 42.8826, 59.9933**, and **5.3482, 7.4637, 11.7484** is the 20% darker color. If you saturate the color by 10%, you get **13.8383, 19.6221, 29.4440**, and if you desaturate by 10%, it is **14.1394, 19.9455, 29.4906**.

Distribution



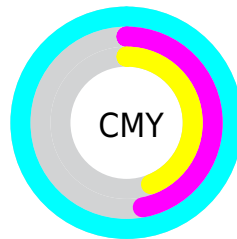
- Red (0%)
- Green (53%)
- Blue (56%)



- Red (0%)
- Yellow (27%)
- Blue (56%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (47%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8382, 19.6219, 29.4436 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 13.8382, 19.6219, 29.4436 by changing the saturation by 10% instead.

■ 13.8382, 19.6219,
29.4436

■ 13.8382, 19.6219,
29.4436

209.7527,
249.8608, 313.4284

■ 8.0892, 12.1205,
19.1682

■ 32.3903, 42.7824,
59.8317

■ 4.2043, 6.8258,
11.6138

■ 45.9241, 59.2102,
80.7815

■ 1.8184, 3.3534,
6.3620

■ 62.7836, 79.3823,
106.1265

■ 0.5287, 1.3189,
2.9941

■ 83.3340, 103.6831,
136.2852

■ 0.0000, 0.1558,
1.0916

■ 107.9408,
132.4970, 171.6762

■ 0.0000, 0.0000,
0.0000

■ 136.9693,

166.2083, 212.7181

170.7848,
205.2014, 259.8293

■ 13.8382, 19.6219,
29.4436

■ 13.8382, 19.6219,
29.4436

■ 13.8383, 19.6221,
29.4440

■ 14.1394, 19.9455,
29.4906

■ 14.5673, 20.3352,
29.5432

■ 15.1860, 20.8246,
29.6051

■ 16.0191, 21.4257,
29.6772

■ 17.0867, 22.1490,
29.7605

■ 18.4067, 23.0037,
29.8559

■ 19.9951, 23.9980,
29.9641

■ 21.8668, 25.1396,
30.0858

■ 24.0353, 26.4355,
30.2217

Harmonies

Analogous

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



13.3900, 19.6219, 20.0692



13.8382, 19.6219, 29.4436



15.5185, 19.6219, 38.4219

Triad

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



13.8382, 19.6219, 29.4436



23.9157, 19.6219, 32.3732



19.1158, 19.6219, 8.6080

Complementary

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



13.8382, 19.6219, 29.4436



11.5890, 6.1036, 0.5680

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.



22.1768, 19.6219, 10.2927



13.8382, 19.6219, 29.4436



25.1336, 19.6219, 22.7153

Square

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



13.8382, 19.6219, 29.4436



21.2909, 19.6219, 40.4116



24.4651, 19.6219, 14.9182



16.2371, 19.6219, 9.5010

Rectangle

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



13.8382, 19.6219, 29.4436



17.2175, 19.6219, 42.1160



24.4651, 19.6219, 14.9182



20.1598, 19.6219, 8.8749

Sweetspot

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



13.8388, 19.6226, 29.4441



35.0749, 42.2081, 52.8363



10.0133, 19.9628, 3.5328



7.7903, 9.5219, 12.0995



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.8388, 19.6226, 29.4441



24.3666, 34.5269, 51.9181



6.9140, 5.7730, 27.1358



5.5350, 6.0657, 6.9078



12.0562, 17.0984, 25.6420



0.1203, 0.1736, 0.2468

Inverse Universe

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



15.9461, 7.7075, 23.9405



28.1036, 13.5849, 42.1156



14.3131, 11.5519, 1.4760



5.6135, 5.5059, 6.7287



13.8885, 6.7124, 20.8621



0.1353, 0.0652, 0.2129

Previews

White Background



This preview shows how the XYZ color 13.8382, 19.6219, 29.4436 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 13.8382, 19.6219, 29.4436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

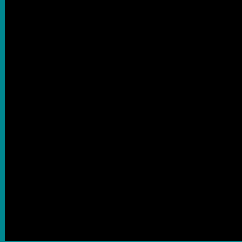
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8382, 19.6219, 29.4436

Background



This preview shows how black text looks on a background with the XYZ color 13.8382, 19.6219, 29.4436.



This preview shows how white text looks on a background with the XYZ color 13.8382, 19.6219,

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

13.8382, 19.6219, 29.4436

Protanopia

19.0256, 19.4609, 25.3078

Deuteranopia

19.8273, 19.3967, 30.7159



Tritanopia

14.2517, 19.8083, 30.6760

Trichromacy



Original Color

13.8382, 19.6219, 29.4436

Protanomaly

15.1089, 18.3345, 26.7873

Deuteranomaly

15.6606, 18.3516, 30.3206

Tritanomaly

14.1051, 19.7417, 30.2612

Monochromacy



Original Color

13.8382, 19.6219, 29.4436

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.5895, 13.5532, 17.6807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8382, 19.6219, 29.4436 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, 136, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 144)  
}
```

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, 136, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 144) }
```

Border

The CSS property to change the border of an element to XYZ 13.8382, 19.6219, 29.4436 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, 136, 144) }
```


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

```
.border{ border-color:rgb(0, 136, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 136, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8382, 19.6219, 29.4436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 144) }
```

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

```
.background{ background-color: rgb(0, 136,  
144) }
```

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