

Converting Colors

XYZ(8.7025, 17.2319, 29.1209)

Have a look what the booklet for
XYZ(8.7025, 17.2319, 29.1209)
contains.

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Color

**XYZ(13.9797, 19.9049,
29.4908)**

Conversions

Conversions Part 1

Format	Color
Hex	008990
RGB	0, 137, 144
RGB Percent	0%, 54%, 56%
CMY	0.9999, 0.4627, 0.4353
CMYK	1.00, 0.05, 0.00, 0.44
HSL	183°, 100%, 28%
HSV	183°, 100%, 56%
XYZ	13.9797, 19.9049, 29.4908
YIQ	96.8350, -83.8990, -26.8670

Conversions

Conversions Part 2

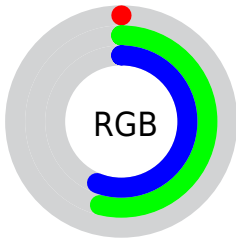
Format	Color
RYB	0, 70, 144
Decimal	35216
CIELab	51.73, -28.01, -12.63
CIELCh	52, 30.722, 204.267
Yxy	19.9049, 0.2206, 0.3141
Android (android.graphics.Color)	4278225296 (0xFF008990)
YUV	96.8350, 23.2523, -84.9243
Hunter-Lab	44.6149, -22.1446, -7.9607

Details

The XYZ color **13.9797, 19.9049, 29.4908** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.5781, 6.0819, 0.5643**, and the grayscale version is **11.2832, 11.8708, 12.9273**.

A 20% lighter version of the original color is **32.6616, 43.3173, 60.0657**, and **5.3482, 7.4637, 11.7484** is the 20% darker color. If you saturate the color by 10%, you get **13.9799, 19.9052, 29.4912**, and if you desaturate by 10%, it is **14.2676, 20.2019, 29.5333**.

Distribution



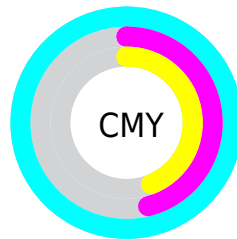
- Red (0%)
- Green (54%)
- Blue (56%)



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



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (46%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9797, 19.9049, 29.4908 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 13.9797, 19.9049, 29.4908 by changing the saturation by 10% instead.

■ 13.9797, 19.9049,
29.4908

■ 13.9797, 19.9049,
29.4908

■ 210.6176,
251.3998, 313.6568

■ 8.1882, 12.3259,
19.2037

■ 32.6396, 43.2577,
59.9074

■ 4.2684, 6.9661,
11.6392

■ 46.2386, 59.8003,
80.8740

■ 1.8551, 3.4409,
6.3790

■ 63.1709, 80.0996,
106.2374

■ 0.5505, 1.3660,
3.0044

■ 83.8017, 104.5399,
136.4163

■ 0.0000, 0.1915,
1.0969

■ 108.4964,
133.5057, 171.8291

■ 0.0000, 0.0000,
0.0000

■ 137.6204,

167.3814, 212.8944

171.5390,
206.5513, 260.0308

■ 13.9797, 19.9049,
29.4908

■ 13.9797, 19.9049,
29.4908

■ 13.9799, 19.9052,
29.4912

■ 14.2676, 20.2019,
29.5333

■ 14.6821, 20.5648,
29.5815

■ 15.2871, 21.0268,
29.6388

■ 16.1064, 21.6003,
29.7063

■ 17.1599, 22.2955,
29.7850

■ 18.4657, 23.1216,
29.8756

■ 20.0396, 24.0870,
29.9790

■ 21.8966, 25.1993,
30.0958

■ 24.0503, 26.4655,
30.2267

Harmonies

Analogous

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



13.5767, 19.9049, 20.0089



13.9797, 19.9049, 29.4908



15.6409, 19.9049, 38.7348

Triad

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



13.9797, 19.9049, 29.4908



24.1933, 19.9049, 33.2762



19.5219, 19.9049, 8.7197

Complementary

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



13.9797, 19.9049, 29.4908



11.5781, 6.0819, 0.5643

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.



22.6259, 19.9049, 10.5420



13.9797, 19.9049, 29.4908



25.5058, 19.9049, 23.4270

Square

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



13.9797, 19.9049, 29.4908



21.4815, 19.9049, 41.3060



24.9030, 19.9049, 15.3756



16.5689, 19.9049, 9.5201

Rectangle

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



13.9797, 19.9049, 29.4908



17.3453, 19.9049, 42.6589



24.9030, 19.9049, 15.3756



20.5852, 19.9049, 9.0258

Sweetspot

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



13.9803, 19.9056, 29.4913



35.1551, 42.3683, 52.8631



10.0001, 19.9575, 3.4636



7.8109, 9.5630, 12.1064



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.



13.9803, 19.9056, 29.4913



24.6209, 35.0356, 52.0029



7.0542, 6.0534, 27.1826



5.5381, 6.0720, 6.9089



12.1788, 17.3436, 25.6828



0.1209, 0.1748, 0.2470

Inverse Universe

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



16.0175, 7.7361, 24.3166



28.2320, 13.6362, 42.7917



14.1426, 11.2108, 1.4192



5.6151, 5.5066, 6.7371



13.9504, 6.7372, 21.1879



0.1356, 0.0653, 0.2145

Previews

White Background



This preview shows how the XYZ color 13.9797, 19.9049, 29.4908 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 13.9797, 19.9049, 29.4908 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

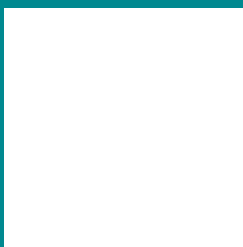
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.9797, 19.9049, 29.4908

Background



This preview shows how black text looks on a background with the XYZ color 13.9797, 19.9049, 29.4908.



This preview shows how white text looks on a background with the XYZ color 13.9797, 19.9049,

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

13.9797, 19.9049, 29.4908

Protanopia

19.2886, 19.7779, 25.3551

Deuteranopia

20.0878, 19.7086, 30.7624



Tritanopia

14.3631, 19.8566, 31.0927

Trichromacy



Original Color

13.9797, 19.9049, 29.4908

Protanomaly

15.3187, 18.6334, 26.8340

Deuteranomaly

15.8692, 18.6480, 30.3668

Tritanomaly

14.1958, 19.7794, 30.6734

Monochromacy



Original Color

13.9797, 19.9049, 29.4908

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.8180, 13.8274, 18.0184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9797, 19.9049, 29.4908 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, 137, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 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, 137, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 144) }
```

Border

The CSS property to change the border of an element to XYZ 13.9797, 19.9049, 29.4908 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, 137, 144) }
```


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

```
.border{ border-color:rgb(0, 137, 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, 137, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9797, 19.9049, 29.4908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 144) }
```

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

```
.background{ background-color: rgb(0, 137,  
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](#).

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