

Converting Colors

XYZ(7.4797, 19.6245, 39.6296)

Have a look what the booklet for
XYZ(7.4797, 19.6245, 39.6296)
contains.

XYZ(18.1112, 25.2096, 39.9878)	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(18.1112, 25.2096,
39.9878)**

Conversions

Conversions Part 1

Format	Color
Hex	0098A6
RGB	0, 152, 166
RGB Percent	0%, 60%, 65%
CMY	0.9999, 0.4039, 0.3490
CMYK	1.00, 0.08, 0.00, 0.35
HSL	185°, 100%, 33%
HSV	185°, 100%, 65%
XYZ	18.1112, 25.2096, 39.9878
YIQ	108.1480, -95.0860, -27.8700

Conversions

Conversions Part 2

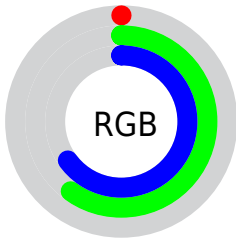
Format	Color
RYB	0, 79, 166
Decimal	39078
CIELab	57.28, -28.14, -16.88
CIELCh	57, 32.812, 210.964
Yxy	25.2096, 0.2174, 0.3026
Android (android.graphics.Color)	4278229158 (0xFF0098A6)
YUV	108.1480, 28.5210, -94.8458
Hunter-Lab	50.2092, -23.4784, -12.0736

Details

The XYZ color **18.1112, 25.2096, 39.9878** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.8838, 8.4222, 0.7895**, and the grayscale version is **14.2401, 14.9817, 16.3150**.

A 20% lighter version of the original color is **39.7776, 52.1214, 76.3706**, and **7.5944, 10.3292, 17.5131** is the 20% darker color. If you saturate the color by 10%, you get **18.1111, 25.2094, 39.9882**, and if you desaturate by 10%, it is **18.5649, 25.7834, 40.0751**.

Distribution



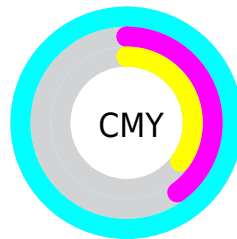
- Red (0%)
- Green (60%)
- Blue (65%)



- Red (0%)
- Yellow (31%)
- Blue (65%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1112, 25.2096, 39.9878 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 18.1112, 25.2096, 39.9878 by changing the saturation by 10% instead.

■ 18.1112, 25.2096,
39.9878

■ 18.1112, 25.2096,
39.9878

■ 234.5306,
278.8802, 361.6227

■ 11.1300, 16.2333,
27.2153

■ 39.7553, 51.9971,
76.3818

■ 6.2223, 9.6894,
17.5011

■ 55.1490, 70.5770,
100.8404

■ 3.0227, 5.1935,
10.4267

■ 74.0775, 93.1269,
130.0315

■ 1.1658, 2.3612,
5.5735

■ 96.9062, 120.0312,
164.3736

■ 0.0791, 0.8058,
2.5230

■ 124.0005,
151.6743, 204.2852

■ 0.0000, 0.0000,
0.8523

■ 155.7258,

■ 0.0000, 0.0000,

188.4405, 250.1849

0.0000

192.4474,
230.7144, 302.4912

■ 18.1112, 25.2096,
39.9878

■ 18.1112, 25.2096,
39.9878

■ 18.1111, 25.2094,
39.9882

■ 18.5649, 25.7834,
40.0751

■ 19.2062, 26.4574,
40.1714

■ 20.1128, 27.2721,
40.2809

■ 21.3184, 28.2450,
40.4051

■ 22.8520, 29.3911,
40.5455

■ 24.7391, 30.7234,
40.7032

■ 27.0025, 32.2538,
40.8793

■ 29.6632, 33.9931,
41.0748

■ 32.7408, 35.9513,
41.2906

Harmonies

Analogous

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



17.2433, 25.2096, 27.8104



18.1112, 25.2096, 39.9878



20.5163, 25.2096, 50.7142

Triad

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



18.1112, 25.2096, 39.9878



31.1008, 25.2096, 39.1923



23.8356, 25.2096, 11.1379

Complementary

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



18.1112, 25.2096, 39.9878



15.8838, 8.4222, 0.7895

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.



27.7711, 25.2096, 12.6752



18.1112, 25.2096, 39.9878



32.2297, 25.2096, 27.0907

Square

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



18.1112, 25.2096, 39.9878



28.0119, 25.2096, 50.1744



30.9515, 25.2096, 17.8506



20.3207, 25.2096, 12.8913

Rectangle

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



18.1112, 25.2096, 39.9878



22.8072, 25.2096, 54.4499



30.9515, 25.2096, 17.8506



25.1530, 25.2096, 11.2823

Sweetspot

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



18.1120, 25.2105, 39.9884



48.7496, 58.3661, 74.1717



13.7152, 27.3044, 4.9581



10.5211, 12.8011, 16.5685



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.1120, 25.2105, 39.9884



32.7929, 45.5989, 72.5484



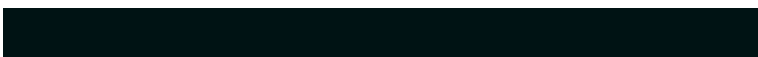
9.0231, 7.0327, 36.9588



7.6926, 8.4222, 9.6385



14.0607, 19.5817, 31.0141



0.3573, 0.5069, 0.7597

Inverse Universe

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



21.3941, 10.3749, 30.5815



38.7881, 18.8122, 55.2959



19.9870, 16.6285, 2.1572



7.8142, 7.6555, 9.3388



16.5978, 8.0478, 23.7574



0.4115, 0.1989, 0.6185

Previews

White Background



This preview shows how the XYZ color 18.1112, 25.2096, 39.9878 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 18.1112, 25.2096, 39.9878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

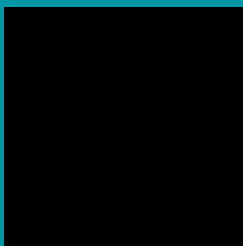
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

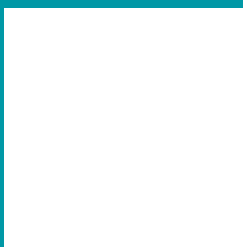
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.1112, 25.2096, 39.9878

Background



This preview shows how black text looks on a background with the XYZ color 18.1112, 25.2096, 39.9878.

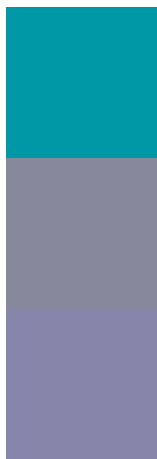


This preview shows how white text looks on a background with the XYZ color 18.1112, 25.2096,

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

18.1112, 25.2096, 39.9878

Protanopia

24.5521, 25.0432, 34.5501

Deuteranopia

25.4537, 24.9390, 41.5024



Tritanopia

18.0198, 25.1731, 39.5065

Trichromacy



Original Color

18.1112, 25.2096, 39.9878

Protanomaly

19.6773, 23.7805, 36.3539

Deuteranomaly

20.4326, 23.8456, 41.0619

Tritanomaly

18.0198, 25.1731, 39.5065

Monochromacy



Original Color

18.1112, 25.2096, 39.9878

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.6243, 17.2655, 23.3834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1112, 25.2096, 39.9878 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, 166)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 166)  
}
```

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, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 166) }
```

Border

The CSS property to change the border of an element to XYZ 18.1112, 25.2096, 39.9878 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, 166) }
```


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

```
.border{ border-color:rgb(0, 152, 166) }
```

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, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 166);  
box-shadow:4px 4px 4px 4px rgb(0, 152,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1112, 25.2096, 39.9878 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, 166) }
```

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

```
.background{ background-color: rgb(0, 152,  
166) }
```

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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