

Converting Colors

XYZ(9.6766, 24.8393, 33.4381)

Have a look what the booklet for
XYZ(9.6766, 24.8393, 33.4381)
contains.

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Color

**XYZ(19.4046, 29.8718,
34.0213)**

Conversions

Conversions Part 1

Format	Color
Hex	00A797
RGB	0, 167, 151
RGB Percent	0%, 65%, 59%
CMY	0.9999, 0.3451, 0.4078
CMYK	1.00, 0.00, 0.10, 0.35
HSL	174°, 100%, 33%
HSV	174°, 100%, 65%
XYZ	19.4046, 29.8718, 34.0213
YIQ	115.2430, -94.3960, -40.3800

Conversions

Conversions Part 2

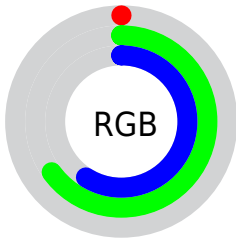
Format	Color
RYB	0, 88, 167
Decimal	42903
CIELab	61.54, -39.82, -2.02
CIELCh	62, 39.876, 182.902
Yxy	29.8718, 0.2330, 0.3586
Android (android.graphics.Color)	4278232983 (0xFF00A797)
YUV	115.2430, 17.6282, -101.0681
Hunter-Lab	54.6551, -32.2723, 1.3522

Details

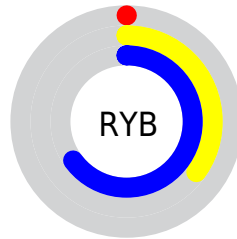
The XYZ color **19.4046, 29.8718, 34.0213** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.0308, 8.2537, 1.2392**, and the grayscale version is **16.3402, 17.1912, 18.7212**.

A 20% lighter version of the original color is **41.9213, 59.5103, 67.0348**, and **8.3176, 12.9547, 14.1187** is the 20% darker color. If you saturate the color by 10%, you get **19.4051, 29.8727, 34.0212**, and if you desaturate by 10%, it is **19.7623, 30.0418, 34.7218**.

Distribution



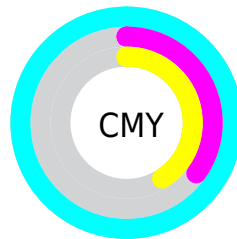
- Red (0%)
- Green (65%)
- Blue (59%)



- Red (0%)
- Yellow (35%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4046, 29.8718, 34.0213 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 19.4046, 29.8718, 34.0213 by changing the saturation by 10% instead.

■ 19.4046, 29.8718,
34.0213

■ 19.4046, 29.8718,
34.0213

■ 241.5688,
301.3064, 334.9991

■ 12.0687, 19.7413,
22.6325

■ 41.9283, 59.4594,
67.1011

■ 6.8630, 12.2071,
14.1196

■ 57.8468, 79.6852,
89.6291

■ 3.4222, 6.8849,
8.0642

■ 77.3569, 104.0450,
116.7072

■ 1.3807, 3.3902,
4.0477

■ 100.8240,
132.9231, 148.7541

■ 0.2424, 1.3387,
1.6515

■ 128.6133,
166.7039, 186.1881

■ 0.0000, 0.1709,
0.3272

■ 161.0904,

■ 0.0000, 0.0000,

205.7718, 229.4280

0.0000

198.6204,
250.5112, 278.8921

■ 19.4046, 29.8718,
34.0213

■ 19.4046, 29.8718,
34.0213

■ 19.4051, 29.8727,
34.0212

■ 19.7623, 30.0418,
34.7218

■ 20.3095, 30.3085,
35.4398

■ 21.1246, 30.7132,
36.1796

■ 22.2419, 31.2735,
36.9429

■ 23.6909, 32.0045,
37.7311

■ 25.4973, 32.9196,
38.5453

■ 27.6845, 34.0307,
39.3868

■ 30.2737, 35.3490,
40.2566

■ 33.2846, 36.8844,
41.1556

Harmonies

Analogous

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



20.2726, 29.8718, 20.9882



19.4046, 29.8718, 34.0213



20.6864, 29.8718, 51.0340

Triad

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



19.4046, 29.8718, 34.0213



34.2778, 29.8718, 63.5897



33.2772, 29.8718, 12.8873

Complementary

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



19.4046, 29.8718, 34.0213



16.0308, 8.2537, 1.2392

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.



37.8073, 29.8718, 19.1393



19.4046, 29.8718, 34.0213



38.4335, 29.8718, 47.6645

Square

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



19.4046, 29.8718, 34.0213



28.9099, 29.8718, 71.1085



39.7984, 29.8718, 31.0738



27.8808, 29.8718, 11.2580

Rectangle

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



19.4046, 29.8718, 34.0213



22.6933, 29.8718, 61.6982



39.7984, 29.8718, 31.0738



34.9733, 29.8718, 14.3968

Sweetspot

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



19.4055, 29.8729, 34.0220



49.3436, 60.8249, 70.4520



14.0455, 27.7550, 4.6175



10.6714, 13.4230, 15.6280



80.6108, 84.8088, 92.3568



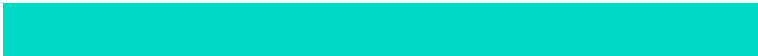
14.7206, 15.4872, 16.8656

Same Dimension

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



19.4055, 29.8729, 34.0220



34.7100, 53.4815, 60.7060



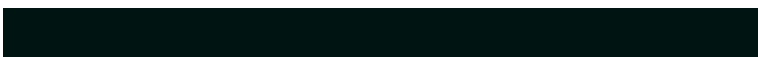
11.5528, 11.9448, 38.2572



7.7161, 8.5195, 9.4911



14.8583, 22.8621, 26.0844



0.3701, 0.5597, 0.6801

Inverse Universe

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



16.0308, 8.2537, 1.2392



28.6742, 14.7667, 2.0373



17.9331, 12.2079, 1.4117



7.5592, 7.5536, 7.9961



12.2751, 6.3188, 0.9943



0.3074, 0.1572, 0.0703

Previews

White Background



This preview shows how the XYZ color 19.4046, 29.8718, 34.0213 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 19.4046, 29.8718, 34.0213 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

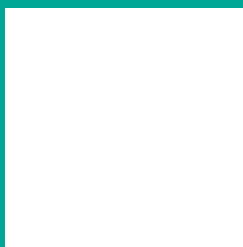
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4046, 29.8718, 34.0213

Background



This preview shows how black text looks on a background with the XYZ color 19.4046, 29.8718, 34.0213.

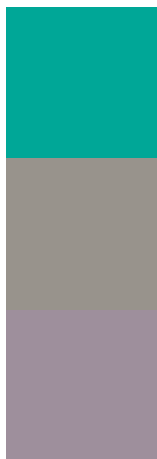


This preview shows how white text looks on a background with the XYZ color 19.4046, 29.8718,

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

19.4046, 29.8718, 34.0213

Protanopia

28.1162, 29.4363, 29.0108

Deuteranopia

29.9238, 29.3143, 35.5336



Tritanopia

21.9878, 29.8610, 46.1998

Trichromacy



Original Color

19.4046, 29.8718, 34.0213



Protanomaly

21.5194, 27.6662, 30.5915



Deuteranomaly

22.4278, 27.5563, 34.7087



Tritanomaly

20.7953, 29.6111, 41.6653

Monochromacy



Original Color

19.4046, 29.8718, 34.0213



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

15.1690, 20.0252, 23.4878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4046, 29.8718, 34.0213 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, 167, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 151)  
}
```

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, 167, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 151) }
```

Border

The CSS property to change the border of an element to XYZ 19.4046, 29.8718, 34.0213 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, 167, 151) }
```


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

```
.border{ border-color:rgb(0, 167, 151) }
```

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

Here you see how a box with a 4 pixel rgb(0, 167, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4046, 29.8718, 34.0213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 151) }
```

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

```
.background{ background-color: rgb(0, 167,  
151) }
```

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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