

Converting Colors

XYZ(19.5595, 29.4455, 33.8296)

Have a look what the booklet for
XYZ(19.5595, 29.4455, 33.8296)
contains.

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Color

**XYZ(19.5477, 29.4058,
33.9238)**

Conversions

Conversions Part 1

Format	Color
Hex	1DA597
RGB	29, 165, 151
RGB Percent	11%, 65%, 59%
CMY	0.8862, 0.3529, 0.4078
CMYK	0.82, 0.00, 0.08, 0.35
HSL	174°, 70%, 38%
HSV	174°, 82%, 65%
XYZ	19.5477, 29.4058, 33.9238
YIQ	122.7400, -76.5620, -33.1860

Conversions

Conversions Part 2

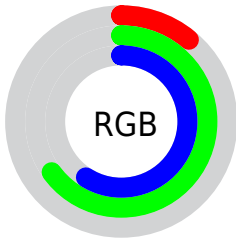
Format	Color
R _Y B	29, 101, 165
Decimal	1942935
CIE Lab	61.14, -37.36, -2.59
CIE LCh	61, 37.445, 183.963
Yxy	29.4058, 0.2359, 0.3548
Android (android.graphics.Color)	4280133015 (0xFF1DA597)
YUV	122.7400, 13.9322, -82.2100
Hunter-Lab	54.2271, -30.5521, 0.8679

Details

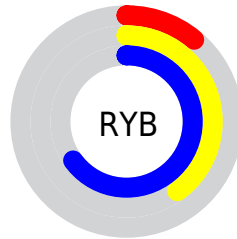
The XYZ color **19.5477, 29.4058, 33.9238** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.3934, 9.0533, 3.1699**, and the grayscale version is **18.7160, 19.6907, 21.4432**.

A 20% lighter version of the original color is **42.2427, 58.8874, 66.8976**, and **8.0944, 12.5084, 14.0443** is the 20% darker color. If you saturate the color by 10%, you get **19.0634, 29.1727, 33.1867**, and if you desaturate by 10%, it is **20.2853, 29.7707, 34.6844**.

Distribution



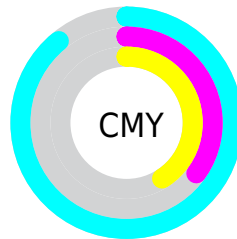
- Red (11%)
- Green (65%)
- Blue (59%)



- Red (11%)
- Yellow (40%)
- Blue (65%)



- Cyan (82%)
- Magenta (0%)
- Yellow (8%)
- Black (35%)



- Cyan (89%)
- Magenta (35%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5477, 29.4058, 33.9238 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 19.5477, 29.4058, 33.9238 by changing the saturation by 10% instead.

■ 19.5477, 29.4058,
33.9238

■ 19.5477, 29.4058,
33.9238

■ 242.3364,
299.1248, 334.5509

■ 12.1730, 19.3880,
22.5582

■ 42.1673, 58.7212,
66.9477

■ 6.9347, 11.9510,
14.0654

■ 58.1430, 78.7876,
89.4431

■ 3.4672, 6.7103,
8.0269

■ 77.7164, 102.9724,
116.4854

■ 1.4054, 3.2816,
4.0241

■ 101.2528,
131.6598, 148.4933

■ 0.2601, 1.2805,
1.6386

■ 129.1177,
165.2344, 185.8852

■ 0.0000, 0.1260,
0.3181

■ 161.6763,

■ 0.0000, 0.0000,

204.0805, 229.0798

0.0000

199.2941,
248.5825, 278.4955

■ 19.5477, 29.4058,
33.9238

■ 19.5477, 29.4058,
33.9238

■ 19.0634, 29.1727,
33.1867

■ 20.2853, 29.7707,
34.6844

■ 18.8020, 29.0498,
32.6393

■ 21.3088, 30.2820,
35.4682

■ 22.6484, 30.9561,
36.2773

■ 24.3300, 31.8062,
37.1128

■ 26.3766, 32.8443,
37.9760

■ 28.8094, 34.0812,
38.8679

■ 31.6479, 35.5271,
39.7894

■ 34.9102, 37.1912,
40.7414

■ 38.6134, 39.0823,
41.7247

Harmonies

Analogous

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



20.2943, 29.4058, 21.5537



19.5477, 29.4058, 33.9238



20.8262, 29.4058, 49.6274

Triad

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



19.5477, 29.4058, 33.9238



33.5636, 29.4058, 60.0935



32.3025, 29.4058, 13.3474

Complementary

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



19.5477, 29.4058, 33.9238



16.3934, 9.0533, 3.1699

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.



36.5356, 29.4058, 19.1613



19.5477, 29.4058, 33.9238



37.3215, 29.4058, 45.4162

Square

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



19.5477, 29.4058, 33.9238



28.6071, 29.4058, 67.2845



38.4677, 29.4058, 30.1848



27.3017, 29.4058, 11.9070

Rectangle

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



19.5477, 29.4058, 33.9238



22.7540, 29.4058, 59.2436



38.4677, 29.4058, 30.1848



33.8808, 29.4058, 14.7502

Sweetspot

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



19.5486, 29.4069, 33.9245



50.1946, 60.3231, 69.1165



14.7542, 27.5550, 5.7040



10.6556, 13.0262, 14.9941



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.5486, 29.4069, 33.9245



33.6792, 52.0303, 58.3508



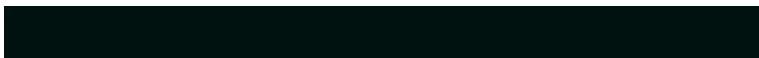
13.1895, 14.7597, 37.7522



7.2445, 7.9986, 8.8995



14.2342, 21.9800, 24.7474



0.3075, 0.4652, 0.5643

Inverse Universe

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



16.3934, 9.0533, 3.1699



27.9778, 14.4386, 2.1751



18.6923, 13.9940, 2.8789



7.1020, 7.0973, 7.5237



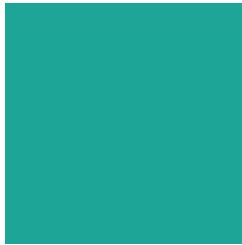
11.8248, 6.0860, 1.0021



0.2567, 0.1312, 0.0646

Previews

White Background



This preview shows how the XYZ color 19.5477, 29.4058, 33.9238 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 19.5477, 29.4058, 33.9238 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

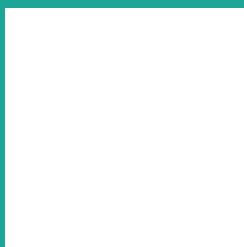
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5477, 29.4058, 33.9238

Background



This preview shows how black text looks on a background with the XYZ color 19.5477, 29.4058, 33.9238.

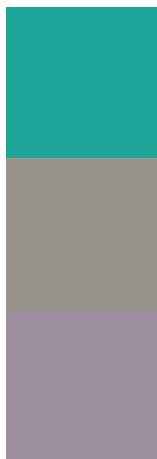


This preview shows how white text looks on a background with the XYZ color 19.5477, 29.4058,

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

19.5477, 29.4058, 33.9238

Protanopia

27.7750, 29.0305, 28.9505

Deuteranopia

29.3841, 28.8142, 35.4655



Tritanopia

21.8771, 29.5642, 45.1109

Trichromacy



Original Color

19.5477, 29.4058, 33.9238

Protanomaly

22.4887, 27.9219, 30.5897

Deuteranomaly

23.1695, 27.4608, 34.6511

Tritanomaly

20.8946, 29.4190, 40.6536

Monochromacy



Original Color

19.5477, 29.4058, 33.9238

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.4419, 21.9943, 25.5163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5477, 29.4058, 33.9238 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(29, 165, 151)` looks like.

```
.text, #text, p{  
    color:rgb(29, 165, 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(29, 165, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 165, 151) }
```

Border

The CSS property to change the border of an element to XYZ 19.5477, 29.4058, 33.9238 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(29, 165, 151) }
```


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

```
.border{ border-color:rgb(29, 165, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 165, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 165, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 165, 151);  
box-shadow:4px 4px 4px 4px rgb(29, 165,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5477, 29.4058, 33.9238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 165, 151) }
```

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

```
.background{ background-color: rgb(29, 165,  
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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