

Converting Colors

XYZ(19.8572, 29.5399, 37.9855)

Have a look what the booklet for
XYZ(19.8572, 29.5399, 37.9855)
contains.

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Color

**XYZ(19.8003, 29.4483,
37.8982)**

Conversions

Conversions Part 1

Format	Color
Hex	00A5A0
RGB	0, 165, 160
RGB Percent	0%, 65%, 63%
CMY	0.9999, 0.3529, 0.3725
CMYK	1.00, 0.00, 0.03, 0.35
HSL	178°, 100%, 32%
HSV	178°, 100%, 65%
XYZ	19.8003, 29.4483, 37.8982
YIQ	115.0950, -96.7350, -36.5350

Conversions

Conversions Part 2

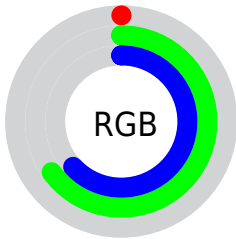
Format	Color
RYB	0, 84, 165
Decimal	42400
CIELab	61.18, -36.25, -7.62
CIELCh	61, 37.043, 191.878
Yxy	29.4483, 0.2272, 0.3379
Android (android.graphics.Color)	4278232480 (0xFF00A5A0)
YUV	115.0950, 22.1382, -100.9383
Hunter-Lab	54.2663, -29.8362, -3.4202

Details

The XYZ color **19.8003, 29.4483, 37.8982** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.5454, 8.0112, 0.8714**, and the grayscale version is **16.2834, 17.1314, 18.6561**.

A 20% lighter version of the original color is **42.7383, 58.9989, 73.4254**, and **8.5545, 12.6925, 16.4670** is the 20% darker color. If you saturate the color by 10%, you get **19.8007, 29.4492, 37.8985**, and if you desaturate by 10%, it is **20.0675, 29.5816, 38.1403**.

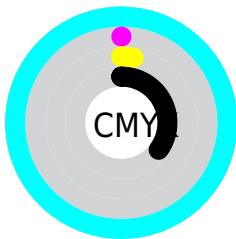
Distribution



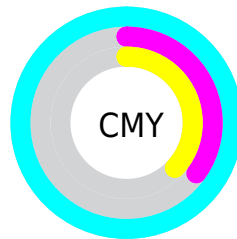
- Red (0%)
- Green (65%)
- Blue (63%)



- Red (0%)
- Yellow (33%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8003, 29.4483, 37.8982 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 19.8003, 29.4483, 37.8982 by changing the saturation by 10% instead.

■ 19.8003, 29.4483,
37.8982

■ 19.8003, 29.4483,
37.8982

■ 243.6862,
299.3243, 352.4682

■ 12.3574, 19.4202,
25.6025

■ 42.5886, 58.7886,
73.1538

■ 7.0615, 11.9743,
16.3034

■ 58.6647, 78.8696,
96.9507

■ 3.5473, 6.7262,
9.5824

■ 78.3493, 103.0703,
125.4184

■ 1.4493, 3.2915,
5.0210

■ 102.0077,
131.7753, 158.9755

■ 0.2910, 1.2857,
2.2006

■ 130.0052,
165.3687, 198.0405

■ 0.0000, 0.1301,
0.6747

■ 162.7072,

■ 0.0000, 0.0000,

204.2351, 243.0319

0.0000

200.4791,
248.7589, 294.3683

■ 19.8003, 29.4483,
37.8982

■ 19.8003, 29.4483,
37.8982

■ 19.8007, 29.4492,
37.8985

■ 20.0675, 29.5816,
38.1403

■ 20.5169, 29.8082,
38.3911

■ 21.2253, 30.1683,
38.6550

■ 22.2261, 30.6791,
38.9336

■ 23.5479, 31.3553,
39.2280

■ 25.2155, 32.2099,
39.5396

■ 27.2518, 33.2544,
39.8693

■ 29.6772, 34.4996,
40.2182

■ 32.5110, 35.9552,
40.5871

Harmonies

Analogous

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



20.0103, 29.4483, 24.4353



19.8003, 29.4483, 37.8982



21.5889, 29.4483, 53.4688

Triad

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



19.8003, 29.4483, 37.8982



34.7072, 29.4483, 56.4216



31.0000, 29.4483, 12.7532

Complementary

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



19.8003, 29.4483, 37.8982



15.5454, 8.0112, 0.8714

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.



35.5450, 29.4483, 17.3040



19.8003, 29.4483, 37.8982



37.8502, 29.4483, 41.1356

Square

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



19.8003, 29.4483, 37.8982



29.9588, 29.4483, 66.0577



38.1734, 29.4483, 26.8619



26.1088, 29.4483, 12.3493

Rectangle

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



19.8003, 29.4483, 37.8982



23.8097, 29.4483, 61.9557



38.1734, 29.4483, 26.8619



32.6324, 29.4483, 13.7705

Sweetspot

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



19.8012, 29.4494, 37.8989



48.5793, 59.4390, 71.3666



13.5249, 26.9468, 4.4893



10.2881, 12.8240, 15.5500



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.



19.8012, 29.4494, 37.8989



35.4463, 52.7341, 67.7959



10.2830, 9.6988, 36.9285



7.2668, 8.0075, 9.0167



14.9825, 22.2793, 28.6880



0.3175, 0.4692, 0.6169

Inverse Universe

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



15.5454, 8.0112, 0.8714



27.8255, 14.3405, 1.4879



18.1727, 13.3097, 1.6121



7.0821, 7.0893, 7.4186



11.7630, 6.0612, 0.6765



0.2496, 0.1283, 0.0272

Previews

White Background



This preview shows how the XYZ color 19.8003, 29.4483, 37.8982 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 19.8003, 29.4483, 37.8982 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

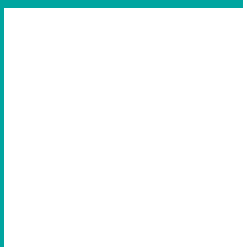
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8003, 29.4483, 37.8982

Background



This preview shows how black text looks on a background with the XYZ color 19.8003, 29.4483, 37.8982.

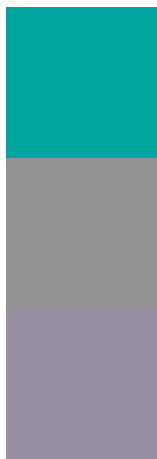


This preview shows how white text looks on a background with the XYZ color 19.8003, 29.4483,

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

19.8003, 29.4483, 37.8982

Protanopia

28.0981, 29.1173, 32.5730

Deuteranopia

29.7509, 29.1338, 39.6527



Tritanopia

21.5934, 29.6691, 45.6629

Trichromacy



Original Color

19.8003, 29.4483, 37.8982

Protanomaly

21.8603, 27.5153, 34.2958

Deuteranomaly

22.6072, 27.3189, 38.7319

Tritanomaly

20.8620, 29.6238, 42.6486

Monochromacy



Original Color

19.8003, 29.4483, 37.8982

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.2319, 19.8302, 24.4975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8003, 29.4483, 37.8982 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, 165, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 160)  
}
```

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, 165, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 160) }
```

Border

The CSS property to change the border of an element to XYZ 19.8003, 29.4483, 37.8982 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, 165, 160) }
```


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

```
.border{ border-color:rgb(0, 165, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8003, 29.4483, 37.8982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 160) }
```

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

```
.background{ background-color: rgb(0, 165,  
160) }
```

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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