

Converting Colors

XYZ(18.2722, 29.2520, 34.7501)

Have a look what the booklet for
XYZ(18.2722, 29.2520, 34.7501)
contains.

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Color

**XYZ(19.5685, 29.9373,
34.8841)**

Conversions

Conversions Part 1

Format	Color
Hex	00A799
RGB	0, 167, 153
RGB Percent	0%, 65%, 60%
CMY	0.9999, 0.3451, 0.4000
CMYK	1.00, 0.00, 0.08, 0.35
HSL	175°, 100%, 33%
HSV	175°, 100%, 65%
XYZ	19.5685, 29.9373, 34.8841
YIQ	115.4710, -95.0380, -39.7580

Conversions

Conversions Part 2

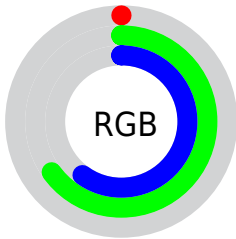
Format	Color
RYB	0, 87, 167
Decimal	42905
CIELab	61.60, -39.24, -3.06
CIELCh	62, 39.361, 184.458
Yxy	29.9373, 0.2319, 0.3547
Android (android.graphics.Color)	4278232985 (0xFF00A799)
YUV	115.4710, 18.5018, -101.2681
Hunter-Lab	54.7150, -31.9117, 0.4995

Details

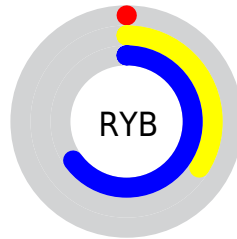
The XYZ color **19.5685, 29.9373, 34.8841** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.0166, 8.2481, 1.1644**, and the grayscale version is **16.4078, 17.2623, 18.7987**.

A 20% lighter version of the original color is **42.1644, 59.6075, 68.3146**, and **8.4156, 12.9939, 14.6349** is the 20% darker color. If you saturate the color by 10%, you get **19.5688, 29.9382, 34.8838**, and if you desaturate by 10%, it is **19.9117, 30.1015, 35.5082**.

Distribution



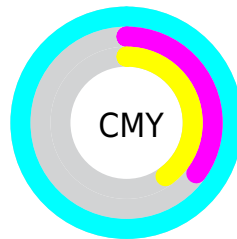
- Red (0%)
- Green (65%)
- Blue (60%)



- Red (0%)
- Yellow (34%)
- Blue (65%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5685, 29.9373, 34.8841 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 19.5685, 29.9373, 34.8841 by changing the saturation by 10% instead.

■ 19.5685, 29.9373,
34.8841

■ 19.5685, 29.9373,
34.8841

■ 242.4478,
301.6121, 338.9452

■ 12.1882, 19.7910,
23.2908

■ 42.2020, 59.5630,
68.4557

■ 6.9451, 12.2432,
14.6010

■ 58.1860, 79.8112,
91.2711

■ 3.4738, 6.9095,
8.3964

■ 77.7686, 104.1955,
118.6642

■ 1.4090, 3.4056,
4.2582

■ 101.3151,
133.1003, 151.0536

■ 0.2626, 1.3470,
1.7680

■ 129.1909,
166.9099, 188.8579

■ 0.0000, 0.1771,
0.4068

■ 161.7614,

■ 0.0000, 0.0000,

206.0088, 232.4956

0.0000

199.3919,
250.7814, 282.3851

■ 19.5685, 29.9373,
34.8841

■ 19.5685, 29.9373,
34.8841

■ 19.5688, 29.9382,
34.8838

■ 19.9117, 30.1015,
35.5082

■ 20.4441, 30.3623,
36.1476

■ 21.2440, 30.7609,
36.8067

■ 22.3458, 31.3150,
37.4870

■ 23.7787, 32.0396,
38.1901

■ 25.5688, 32.9482,
38.9170

■ 27.7391, 34.0527,
39.6690

■ 30.3111, 35.3640,
40.4470

■ 33.3044, 36.8924,
41.2520

Harmonies

Analogous

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



20.3192, 29.9373, 21.6989



19.5685, 29.9373, 34.8841



20.9493, 29.9373, 51.7340

Triad

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



19.5685, 29.9373, 34.8841



34.5250, 29.9373, 62.5379



33.0094, 29.9373, 12.9196

Complementary

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



19.5685, 29.9373, 34.8841



16.0166, 8.2481, 1.1644

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.



37.5671, 29.9373, 18.8782



19.5685, 29.9373, 34.8841



38.5146, 29.9373, 46.6415

Square

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



19.5685, 29.9373, 34.8841



29.2424, 29.9373, 70.5142



39.6905, 29.9373, 30.4114



27.6809, 29.9373, 11.5045

Rectangle

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



19.5685, 29.9373, 34.8841



23.0054, 29.9373, 62.0567



39.6905, 29.9373, 30.4114



34.7025, 29.9373, 14.3440

Sweetspot

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



19.5694, 29.9384, 34.8848



49.4412, 60.8639, 70.9658



14.0456, 27.7550, 4.6178



10.6960, 13.4328, 15.7576



80.6108, 84.8088, 92.3568



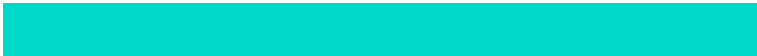
14.7206, 15.4872, 16.8656

Same Dimension

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



19.5694, 29.9384, 34.8848



35.0080, 53.6007, 62.2754



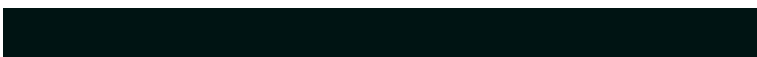
11.5532, 11.9455, 38.2572



7.7200, 8.5210, 9.5117



14.9826, 22.9118, 26.7388



0.3722, 0.5605, 0.6909

Inverse Universe

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



16.0166, 8.2481, 1.1644



28.6516, 14.7577, 1.9182



17.9333, 12.2085, 1.4121



7.5557, 7.5521, 7.9775



12.2635, 6.3141, 0.9332



0.3061, 0.1567, 0.0632

Previews

White Background



This preview shows how the XYZ color 19.5685, 29.9373, 34.8841 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 19.5685, 29.9373, 34.8841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

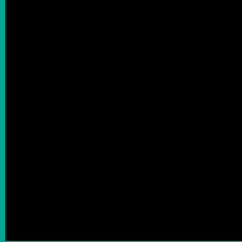
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5685, 29.9373, 34.8841

Background



This preview shows how black text looks on a background with the XYZ color 19.5685, 29.9373, 34.8841.

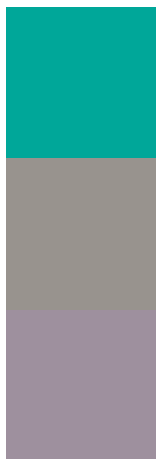


This preview shows how white text looks on a background with the XYZ color 19.5685, 29.9373,

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

19.5685, 29.9373, 34.8841

Protanopia

28.2651, 29.4958, 29.7947

Deuteranopia

30.2454, 29.6842, 36.4833



Tritanopia

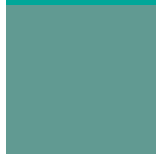
22.1257, 30.1967, 46.2574

Trichromacy



Original Color

19.5685, 29.9373, 34.8841



Protanomaly

21.6737, 27.7279, 31.4038



Deuteranomaly

22.5958, 27.6235, 35.5934



Tritanomaly

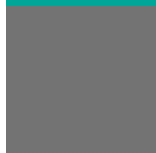
20.9490, 29.9570, 41.7239

Monochromacy



Original Color

19.5685, 29.9373, 34.8841



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

15.2352, 20.0516, 23.8363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5685, 29.9373, 34.8841 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 153) }
```

Border

The CSS property to change the border of an element to XYZ 19.5685, 29.9373, 34.8841 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, 153) }
```


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

```
.border{ border-color:rgb(0, 167, 153) }
```

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, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5685, 29.9373, 34.8841 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, 153) }
```

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

```
.background{ background-color: rgb(0, 167,  
153) }
```

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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