

Converting Colors

XYZ(16.4412, 28.0203, 34.9990)

Have a look what the booklet for
XYZ(16.4412, 28.0203, 34.9990)
contains.

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Color

**XYZ(19.4690, 29.6055,
35.2602)**

Conversions

Conversions Part 1

Format	Color
Hex	00A69A
RGB	0, 166, 154
RGB Percent	0%, 65%, 60%
CMY	0.9999, 0.3490, 0.3961
CMYK	1.00, 0.00, 0.07, 0.35
HSL	176°, 100%, 33%
HSV	176°, 100%, 65%
XYZ	19.4690, 29.6055, 35.2602
YIQ	114.9980, -95.0840, -38.9240

Conversions

Conversions Part 2

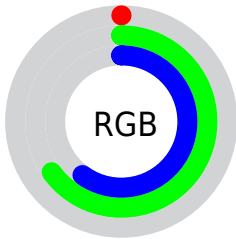
Format	Color
RYB	0, 86, 166
Decimal	42650
CIELab	61.31, -38.50, -4.05
CIELCh	61, 38.715, 185.998
Yxy	29.6055, 0.2309, 0.3510
Android (android.graphics.Color)	4278232730 (0xFF00A69A)
YUV	114.9980, 19.2280, -100.8532
Hunter-Lab	54.4109, -31.3493, -0.3343

Details

The XYZ color **19.4690, 29.6055, 35.2602** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **15.7933, 8.1345, 1.0866**, and the grayscale version is **16.2624, 17.1093, 18.6320**.

A 20% lighter version of the original color is **42.0206, 59.1238, 68.8718**, and **8.3533, 12.7895, 14.8603** is the 20% darker color. If you saturate the color by 10%, you get **19.4693, 29.6063, 35.2599**, and if you desaturate by 10%, it is **19.7946, 29.7624, 35.8006**.

Distribution



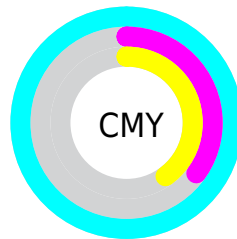
- Red (0%)
- Green (65%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (35%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4690, 29.6055, 35.2602 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 19.4690, 29.6055, 35.2602 by changing the saturation by 10% instead.

■ 19.4690, 29.6055,
35.2602

■ 19.4690, 29.6055,
35.2602

■ 241.9145,
300.0612, 340.6544

■ 12.1157, 19.5393,
23.5782

■ 42.0359, 59.0377,
69.0448

■ 6.8953, 12.0606,
14.8117

■ 57.9801, 79.1726,
91.9845

■ 3.4424, 6.7850,
8.5422

■ 77.5188, 103.4325,
119.5139

■ 1.3918, 3.3280,
4.3511

■ 101.0171,
132.2018, 152.0514

■ 0.2504, 1.3053,
1.8199

■ 128.8405,
165.8650, 190.0157

■ 0.0000, 0.1453,
0.4410

■ 161.3543,

■ 0.0000, 0.0000,

204.8063, 233.8253

0.0000

198.9238,
249.4103, 283.8987

■ 19.4690, 29.6055,
35.2602

■ 19.4690, 29.6055,
35.2602

■ 19.4693, 29.6063,
35.2599

■ 19.7946, 29.7624,
35.8006

■ 20.3061, 30.0144,
36.3544

■ 21.0811, 30.4021,
36.9257

■ 22.1535, 30.9429,
37.5161

■ 23.5521, 31.6519,
38.1271

■ 25.3025, 32.5421,
38.7599

■ 27.4276, 33.6252,
39.4155

■ 29.9482, 34.9123,
40.0950

■ 32.8839, 36.4131,
40.7992

Harmonies

Analogous

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



20.0970, 29.6055, 22.1068



19.4690, 29.6055, 35.2602



20.9270, 29.6055, 51.7225

Triad

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



19.4690, 29.6055, 35.2602



34.3060, 29.6055, 60.7172



32.3200, 29.6055, 12.7824

Complementary

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



19.4690, 29.6055, 35.2602



15.7933, 8.1345, 1.0866

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.



36.8428, 29.6055, 18.3846



19.4690, 29.6055, 35.2602



38.0830, 29.6055, 45.0636

Square

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



19.4690, 29.6055, 35.2602



29.1764, 29.6055, 69.0149



39.0632, 29.6055, 29.3887



27.1268, 29.6055, 11.5934

Rectangle

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



19.4690, 29.6055, 35.2602



23.0032, 29.6055, 61.5770



39.0632, 29.6055, 29.3887



33.9877, 29.6055, 14.1069

Sweetspot

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



19.4699, 29.6066, 35.2609



49.5357, 60.9017, 71.4636



13.8158, 27.3656, 4.5548



10.7198, 13.4424, 15.8833



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.



19.4699, 29.6066, 35.2609



35.3002, 53.7176, 63.8141



11.1441, 11.2747, 37.6664



7.7238, 8.5226, 9.5316



15.1044, 22.9605, 27.3801



0.3742, 0.5613, 0.7014

Inverse Universe

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



15.7933, 8.1345, 1.0866



28.6321, 14.7499, 1.8154



17.8661, 12.3864, 1.4501



7.5523, 7.5508, 7.9596



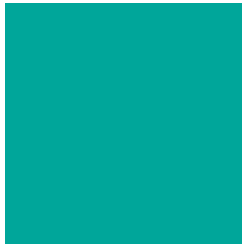
12.2533, 6.3100, 0.8795



0.3048, 0.1562, 0.0564

Previews

White Background



This preview shows how the XYZ color 19.4690, 29.6055, 35.2602 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 19.4690, 29.6055, 35.2602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

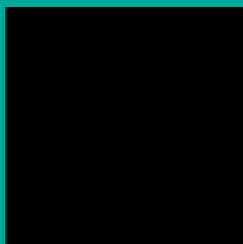
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

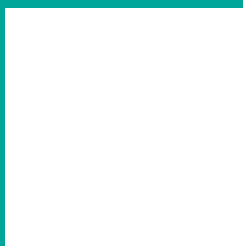
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.4690, 29.6055, 35.2602

Background



This preview shows how black text looks on a background with the XYZ color 19.4690, 29.6055, 35.2602.

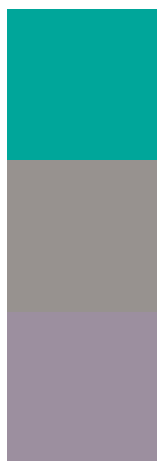


This preview shows how white text looks on a background with the XYZ color 19.4690, 29.6055,

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

19.4690, 29.6055, 35.2602

Protanopia

27.9993, 29.1202, 30.1316

Deuteranopia

29.7908, 29.2160, 36.8700



Tritanopia

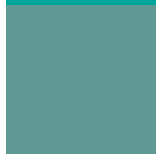
21.7704, 29.7603, 45.6712

Trichromacy



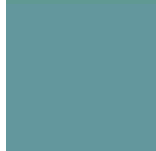
Original Color

19.4690, 29.6055, 35.2602



Protanomaly

21.4816, 27.3758, 31.7556



Deuteranomaly

22.2980, 27.2202, 35.9771



Tritanomaly

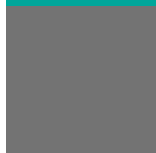
20.7442, 29.5847, 41.6629

Monochromacy



Original Color

19.4690, 29.6055, 35.2602



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 19.4690, 29.6055, 35.2602 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, 166, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 154)  
}
```

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, 166, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 154) }
```

Border

The CSS property to change the border of an element to XYZ 19.4690, 29.6055, 35.2602 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, 166, 154) }
```


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

```
.border{ border-color:rgb(0, 166, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4690, 29.6055, 35.2602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 154) }
```

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

```
.background{ background-color: rgb(0, 166,  
154) }
```

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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