

Converting Colors

XYZ(7.7396, 23.7365, 34.7105)

Have a look what the booklet for
XYZ(7.7396, 23.7365, 34.7105)
contains.

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Color

**XYZ(19.6515, 29.9705,
35.3210)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00A79A |
| RGB | 0, 167, 154 |
| RGB Percent | 0%, 65%, 60% |
| CMY | 0.9999, 0.3451, 0.3961 |
| CMYK | 1.00, 0.00, 0.08, 0.35 |
| HSL | 175°, 100%, 33% |
| HSV | 175°, 100%, 65% |
| XYZ | 19.6515, 29.9705, 35.3210 |
| YIQ | 115.5850, -95.3590, -39.4470 |

Conversions

Conversions Part 2

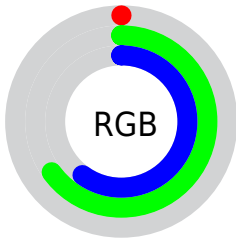
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 87, 167 |
| Decimal | 42906 |
| CIELab | 61.63, -38.95, -3.58 |
| CIELCh | 62, 39.113, 185.250 |
| Yxy | 29.9705, 0.2313, 0.3528 |
| Android (android.graphics.Color) | 4278232986 (0xFF00A79A) |
| YUV | 115.5850, 18.9386, -101.3680 |
| Hunter-Lab | 54.7453, -31.7296, 0.0686 |

Details

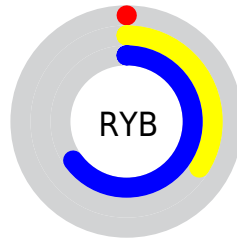
The XYZ color **19.6515, 29.9705, 35.3210** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.0100, 8.2456, 1.1296**, and the grayscale version is **16.4416, 17.2979, 18.8374**.

A 20% lighter version of the original color is **42.3889, 59.7091, 68.9654**, and **8.4655, 13.0139, 14.8977** is the 20% darker color. If you saturate the color by 10%, you get **19.6518, 29.9713, 35.3206**, and if you desaturate by 10%, it is **19.9873, 30.1317, 35.9059**.

Distribution



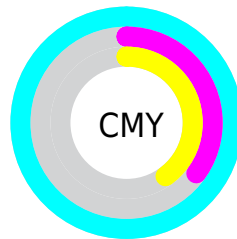
- Red (0%)
- Green (65%)
- Blue (60%)



- 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 19.6515, 29.9705, 35.3210 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 19.6515, 29.9705, 35.3210 by changing the saturation by 10% instead.


 19.6515, 29.9705,
35.3210


 19.6515, 29.9705,
35.3210

242.8919,
301.7669, 340.9302


 12.2488, 19.8162,
23.6247


 42.3405, 59.6155,
69.1400


 6.9867, 12.2615,
14.8459


 58.3575, 79.8750,
92.0997

 3.5001, 6.9220,
8.5659


 77.9767, 104.2717,
119.6510

 1.4234, 3.4134,
4.3662

 101.5633,
133.1900, 152.2125

 0.2728, 1.3512,
1.8283

 129.4828,
167.0143, 190.2026

 0.0000, 0.1803,
0.4465

 162.1005,

 0.0000, 0.0000,

206.1289, 234.0398

0.0000

199.7817,
250.9183, 284.1429

■ 19.6515, 29.9705,
35.3210

■ 19.6515, 29.9705,
35.3210

■ 19.6518, 29.9713,
35.3206

■ 19.9873, 30.1317,
35.9059

■ 20.5121, 30.3895,
36.5051

■ 21.3042, 30.7850,
37.1229

■ 22.3980, 31.3359,
37.7611

■ 23.8229, 32.0573,
38.4210

■ 25.6046, 32.9626,
39.1038

■ 27.7664, 34.0636,
39.8106

■ 30.3297, 35.3715,
40.5424

■ 33.3141, 36.8963,
41.3003

Harmonies

Analogous

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



20.3432, 29.9705, 22.0608



19.6515, 29.9705, 35.3210



21.0822, 29.9705, 52.0856

Triad

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



19.6515, 29.9705, 35.3210



34.6491, 29.9705, 62.0154



32.8763, 29.9705, 12.9368

Complementary

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



19.6515, 29.9705, 35.3210



16.0100, 8.2456, 1.1296

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.



37.4474, 29.9705, 18.7496



19.6515, 29.9705, 35.3210



38.5550, 29.9705, 46.1356

Square

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



19.6515, 29.9705, 35.3210



29.4099, 29.9705, 70.2165



39.6365, 29.9705, 30.0845



27.5818, 29.9705, 11.6300

Rectangle

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



19.6515, 29.9705, 35.3210



23.1630, 29.9705, 62.2351



39.6365, 29.9705, 30.0845



34.5679, 29.9705, 14.3187

Sweetspot

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



19.6524, 29.9716, 35.3217



49.4901, 60.8835, 71.2237



13.9996, 27.7313, 4.6157



10.7083, 13.4378, 15.8227



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.



19.6524, 29.9716, 35.3217



35.1589, 53.6611, 63.0703



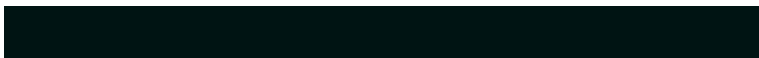
11.2903, 11.4196, 38.1695



7.7220, 8.5218, 9.5220



15.0455, 22.9370, 27.0701



0.3732, 0.5609, 0.6963

Inverse Universe

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



16.0100, 8.2456, 1.1296



28.6412, 14.7535, 1.8634



18.1024, 12.5466, 1.4685



7.5539, 7.5514, 7.9683



12.2581, 6.3120, 0.9048



0.3054, 0.1564, 0.0597

Previews

White Background



This preview shows how the XYZ color 19.6515, 29.9705, 35.3210 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 19.6515, 29.9705, 35.3210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

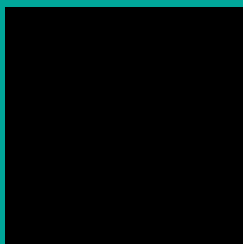
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

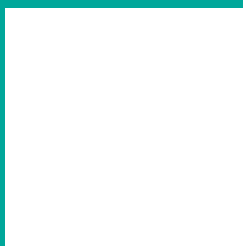
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6515, 29.9705, 35.3210

Background



This preview shows how black text looks on a background with the XYZ color 19.6515, 29.9705, 35.3210.

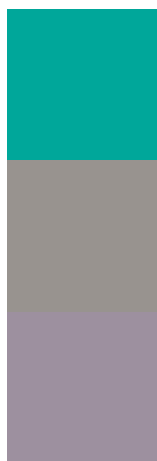


This preview shows how white text looks on a background with the XYZ color 19.6515, 29.9705,

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

19.6515, 29.9705, 35.3210

Protanopia

28.3405, 29.5260, 30.1920

Deuteranopia

30.1359, 29.6178, 36.9294



Tritanopia

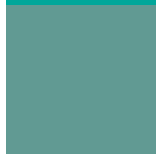
22.0863, 30.1764, 46.2555

Trichromacy



Original Color

19.6515, 29.9705, 35.3210



Protanomaly

21.7518, 27.7592, 31.8154



Deuteranomaly

22.5696, 27.6001, 36.0361



Tritanomaly

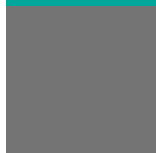
21.0175, 29.9815, 42.2154

Monochromacy



Original Color

19.6515, 29.9705, 35.3210



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

15.5173, 20.3955, 24.2380

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6515, 29.9705, 35.3210 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 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, 167, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 154) }
```

Border

The CSS property to change the border of an element to XYZ 19.6515, 29.9705, 35.3210 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, 154) }
```


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

```
.border{ border-color:rgb(0, 167, 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, 167, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6515, 29.9705, 35.3210 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, 154) }
```

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

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