

Converting Colors

XYZ(19.9330, 29.5760, 36.3155)

Have a look what the booklet for
XYZ(19.9330, 29.5760, 36.3155)
contains.

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Color

**XYZ(19.8819, 29.5302,
36.1045)**

Conversions

Conversions Part 1

Format	Color
Hex	1AA59C
RGB	26, 165, 156
RGB Percent	10%, 65%, 61%
CMY	0.8980, 0.3529, 0.3882
CMYK	0.84, 0.00, 0.05, 0.35
HSL	176°, 73%, 37%
HSV	176°, 84%, 65%
XYZ	19.8819, 29.5302, 36.1045
YIQ	122.4130, -79.9550, -32.2670

Conversions

Conversions Part 2

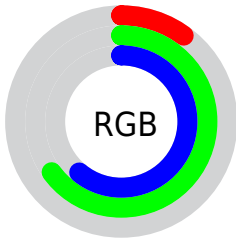
Format	Color
R_{YB}	26, 98, 165
Decimal	1746332
CIE Lab	61.25, -36.15, -5.25
CIE LCh	61, 36.530, 188.257
Yxy	29.5302, 0.2325, 0.3453
Android (android.graphics.Color)	4279936412 (0xFF1AA59C)
YUV	122.4130, 16.5584, -84.5542
Hunter-Lab	54.3417, -29.7905, -1.3530

Details

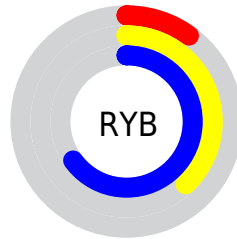
The XYZ color **19.8819, 29.5302, 36.1045** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.1908, 8.8604, 2.4481**, and the grayscale version is **18.6015, 19.5703, 21.3120**.

A 20% lighter version of the original color is **42.7448, 59.0754, 70.1226**, and **8.3440, 12.6083, 15.3585** is the 20% darker color. If you saturate the color by 10%, you get **19.4854, 29.3369, 35.6163**, and if you desaturate by 10%, it is **20.5233, 29.8510, 36.6097**.

Distribution



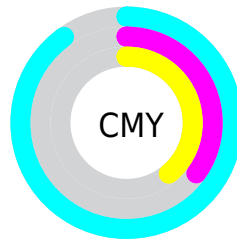
- Red (10%)
- Green (65%)
- Blue (61%)



- Red (10%)
- Yellow (38%)
- Blue (65%)



- Cyan (84%)
- Magenta (0%)
- Yellow (5%)
- Black (35%)



- Cyan (90%)
- Magenta (35%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8819, 29.5302, 36.1045 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 19.8819, 29.5302, 36.1045 by changing the saturation by 10% instead.

■ 19.8819, 29.5302,
36.1045

■ 19.8819, 29.5302,
36.1045

■ 244.1208,
299.7084, 344.4683

■ 12.4170, 19.4823,
24.2246

■ 42.7245, 58.9184,
70.3642

■ 7.1025, 12.0193,
15.2866

■ 58.8330, 79.0275,
93.5810

■ 3.5732, 6.7568,
8.8719

■ 78.5533, 103.2591,
121.4139

■ 1.4636, 3.3105,
4.5620

■ 102.2509,
131.9976, 154.2815

■ 0.3009, 1.2959,
1.9385

■ 130.2911,
165.6274, 192.6021

■ 0.0000, 0.1380,
0.5170

■ 163.0392,

■ 0.0000, 0.0000,

204.5328, 236.7944

0.0000

200.8607,
249.0984, 287.2770

■ 19.8819, 29.5302,
36.1045

■ 19.8819, 29.5302,
36.1045

■ 19.4854, 29.3369,
35.6163

■ 20.5233, 29.8510,
36.6097

■ 19.3147, 29.2549,
35.3390

■ 21.4435, 30.3148,
37.1314

■ 22.6736, 30.9382,
37.6718

■ 24.2399, 31.7349,
38.2321

■ 26.1660, 32.7170,
38.8135

■ 28.4735, 33.8956,
39.4169

■ 31.1819, 35.2807,
40.0433

■ 34.3097, 36.8820,
40.6936

■ 37.8741, 38.7083,
41.3685

Harmonies

Analogous

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



20.3314, 29.5302, 23.3144



19.8819, 29.5302, 36.1045



21.4204, 29.5302, 51.4751

Triad

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



19.8819, 29.5302, 36.1045



34.1851, 29.5302, 57.7247



31.6308, 29.5302, 13.3076

Complementary

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



19.8819, 29.5302, 36.1045



16.1908, 8.8604, 2.4481

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.



35.9647, 29.5302, 18.3960



19.8819, 29.5302, 36.1045



37.5526, 29.5302, 42.9840

Square

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



19.8819, 29.5302, 36.1045



29.4153, 29.5302, 66.0867



38.2385, 29.5302, 28.5016



26.7617, 29.5302, 12.4343

Rectangle

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



19.8819, 29.5302, 36.1045



23.4824, 29.5302, 60.3093



38.2385, 29.5302, 28.5016



33.2138, 29.5302, 14.4938

Sweetspot

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



19.8828, 29.5313, 36.1052



50.4490, 60.4249, 70.4562



14.3448, 27.3481, 5.5007



10.7182, 13.0512, 15.3240



78.6606, 82.7571, 90.1225



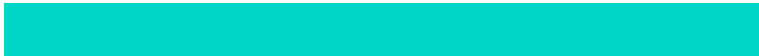
14.0027, 14.7319, 16.0430

Same Dimension

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



19.8828, 29.5313, 36.1052



34.5609, 52.3799, 63.1335



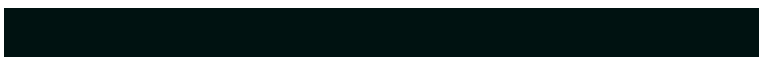
12.2466, 12.9936, 37.4611



7.2562, 8.0033, 8.9610



14.6184, 22.1337, 26.7707



0.3127, 0.4673, 0.5916

Inverse Universe

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



16.1908, 8.8604, 2.4481



27.8684, 14.3576, 1.7134



19.0513, 14.7685, 2.8245



7.0915, 7.0931, 7.4683



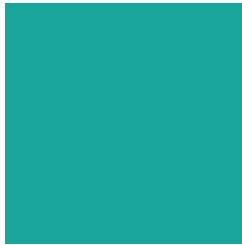
11.7904, 6.0722, 0.8209



0.2530, 0.1297, 0.0449

Previews

White Background



This preview shows how the XYZ color 19.8819, 29.5302, 36.1045 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 19.8819, 29.5302, 36.1045 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

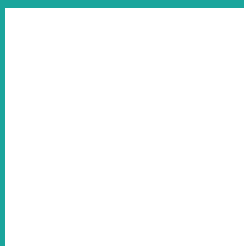
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8819, 29.5302, 36.1045

Background



This preview shows how black text looks on a background with the XYZ color 19.8819, 29.5302, 36.1045.

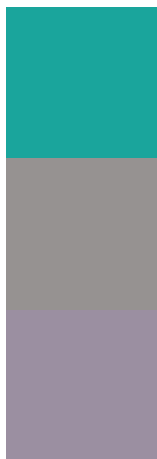


This preview shows how white text looks on a background with the XYZ color 19.8819, 29.5302,

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

19.8819, 29.5302, 36.1045

Protanopia

27.9674, 29.0861, 30.9282

Deuteranopia

29.7731, 29.1867, 37.7826



Tritanopia

21.6969, 29.4713, 45.1024

Trichromacy



Original Color

19.8819, 29.5302, 36.1045



Protanomaly

22.6417, 27.9556, 32.6364



Deuteranomaly

23.5090, 27.8246, 36.9325



Tritanomaly

20.9280, 29.4149, 41.6204

Monochromacy



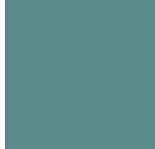
Original Color

19.8819, 29.5302, 36.1045



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

17.3220, 21.9244, 25.8731

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8819, 29.5302, 36.1045 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(26, 165, 156)` looks like.

```
.text, #text, p{  
    color:rgb(26, 165, 156)  
}
```

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(26, 165, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 165, 156) }
```

Border

The CSS property to change the border of an element to XYZ 19.8819, 29.5302, 36.1045 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(26, 165, 156) }
```


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

```
.border{ border-color:rgb(26, 165, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 165, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 165, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 165, 156);  
box-shadow:4px 4px 4px 4px rgb(26, 165,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8819, 29.5302, 36.1045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 165, 156) }
```

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

```
.background{ background-color: rgb(26, 165,  
156) }
```

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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