

Converting Colors

XYZ(19.4828, 28.9001, 30.8797)

Have a look what the booklet for
XYZ(19.4828, 28.9001, 30.8797)
contains.

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Color

**XYZ(19.4965, 28.9118,
30.9385)**

Conversions

Conversions Part 1

Format	Color
Hex	33A390
RGB	51, 163, 144
RGB Percent	20%, 64%, 56%
CMY	0.8000, 0.3608, 0.4353
CMYK	0.69, 0.00, 0.12, 0.36
HSL	170°, 52%, 42%
HSV	170°, 69%, 64%
XYZ	19.4965, 28.9118, 30.9385
YIQ	127.3460, -60.6530, -29.6530

Conversions

Conversions Part 2

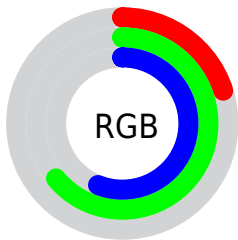
Format	Color
RYB	51, 112, 163
Decimal	3384208
CIELab	60.70, -35.74, 0.76
CIElCh	61, 35.749, 178.777
Yxy	28.9118, 0.2457, 0.3644
Android (android.graphics.Color)	4281574288 (0xFF33A390)
YUV	127.3460, 8.2104, -66.9554
Hunter-Lab	53.7697, -29.3742, 3.5240

Details

The XYZ color **19.4965, 28.9118, 30.9385** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.3946, 10.5973, 6.9242**, and the grayscale version is **20.2803, 21.3365, 23.2354**.

A 20% lighter version of the original color is **42.2067, 58.1850, 62.4324**, and **7.5963, 11.9600, 12.4978** is the 20% darker color. If you saturate the color by 10%, you get **18.6061, 28.4776, 29.8074**, and if you desaturate by 10%, it is **20.6816, 29.4987, 32.1117**.

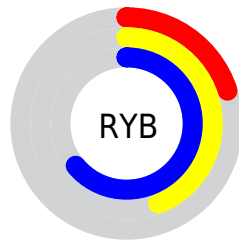
Distribution



Red (20%)

Green (64%)

Blue (56%)



Red (20%)

Yellow (44%)

Blue (64%)

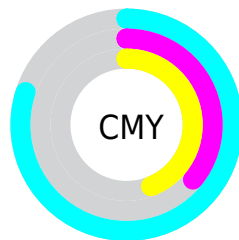


Cyan (69%)

Magenta (0%)

Yellow (12%)

Black (36%)



Cyan (80%)

Magenta (36%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4965, 28.9118, 30.9385 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 19.4965, 28.9118, 30.9385 by changing the saturation by 10% instead.

■ 19.4965, 28.9118,
30.9385

■ 19.4965, 28.9118,
30.9385

242.0620,
296.7986, 320.5973

■ 12.1357, 19.0141,
20.2939

■ 42.0818, 57.9369,
62.2217

■ 6.9090, 11.6805,
12.4227

■ 58.0371, 77.8331,
83.6974

■ 3.4511, 6.5265,
6.9062

■ 77.5878, 101.8310,
109.6206

■ 1.3966, 3.1678,
3.3260

■ 101.0995,
130.3149, 140.4097

■ 0.2538, 1.2199,
1.2634

■ 128.9374,
163.6692, 176.4835

■ 0.0000, 0.0779,
0.0315

161.4669,

■ 0.0000, 0.0000,

202.2783, 218.2603

0.0000

199.0533,
246.5266, 266.1587

■ 19.4965, 28.9118,
30.9385

■ 19.4965, 28.9118,
30.9385

■ 18.6061, 28.4776,
29.8074

■ 20.6816, 29.4987,
32.1117

■ 17.9763, 28.1765,
28.7148

■ 22.1861, 30.2490,
33.3264

■ 17.5470, 27.9781,
27.6582

■ 24.0348, 31.1761,
34.5846

■ 17.4953, 27.9544,
27.5238

■ 26.2494, 32.2912,
35.8875

■ 28.8497, 33.6046,
37.2363

■ 31.8543, 35.1257,
38.6320

■ 35.2803, 36.8635,
40.0755

■ 39.1440, 38.8262,
41.5678

■ 43.4607, 41.0219,
43.1098

Harmonies

Analogous

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



20.5400, 28.9118, 20.0144



19.4965, 28.9118, 30.9385



20.3838, 28.9118, 45.4387

Triad

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



19.4965, 28.9118, 30.9385



31.9984, 28.9118, 59.5766



32.3643, 28.9118, 14.3064

Complementary

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



19.4965, 28.9118, 30.9385



17.3946, 10.5973, 6.9242

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.



36.0568, 28.9118, 20.7201



19.4965, 28.9118, 30.9385



35.8293, 28.9118, 46.6543

Square

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



19.4965, 28.9118, 30.9385



27.2901, 28.9118, 64.5227



37.3899, 28.9118, 32.0279



27.6704, 28.9118, 12.2332

Rectangle

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



19.4965, 28.9118, 30.9385



22.0142, 28.9118, 54.8507



37.3899, 28.9118, 32.0279



33.7825, 28.9118, 15.9177

Sweetspot

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



19.4973, 28.9129, 30.9392



50.3477, 59.5147, 66.0293



16.3335, 27.7944, 7.6366



11.0299, 13.2263, 14.6874



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.



19.4973, 28.9129, 30.9392



32.7237, 50.7120, 52.4308



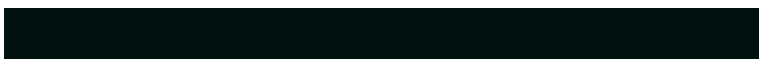
15.6355, 18.6662, 37.4304



7.2243, 7.9905, 8.7928



13.6112, 21.7308, 21.4667



0.2988, 0.4617, 0.5187

Inverse Universe

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



17.3946, 10.5973, 6.9242



28.7763, 15.7493, 6.9191



19.0680, 14.7570, 4.9760



7.1205, 7.1047, 7.6212



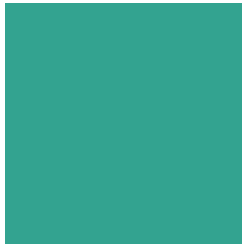
11.9107, 6.1203, 1.4542



0.2633, 0.1338, 0.0989

Previews

White Background



This preview shows how the XYZ color 19.4965, 28.9118, 30.9385 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 19.4965, 28.9118, 30.9385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

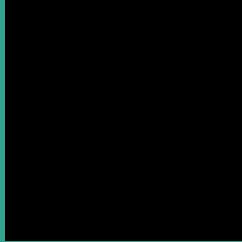
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4965, 28.9118, 30.9385

Background



This preview shows how black text looks on a background with the XYZ color 19.4965, 28.9118, 30.9385.

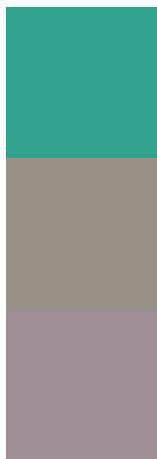


This preview shows how white text looks on a background with the XYZ color 19.4965, 28.9118,

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

19.4965, 28.9118, 30.9385

Protanopia

27.1910, 28.5513, 26.6321

Deuteranopia

29.0502, 28.4888, 32.4015



Tritanopia

22.0245, 28.8986, 43.4469

Trichromacy



Original Color

19.4965, 28.9118, 30.9385

Protanomaly

22.8859, 27.9363, 28.2308

Deuteranomaly

23.6217, 27.5234, 31.6713

Tritanomaly

20.9559, 28.7109, 38.6197

Monochromacy



Original Color

19.4965, 28.9118, 30.9385

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

18.7573, 23.1023, 25.6609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4965, 28.9118, 30.9385 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(51, 163, 144)` looks like.

```
.text, #text, p{  
    color:rgb(51, 163, 144)  
}
```

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(51, 163, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 163, 144) }
```

Border

The CSS property to change the border of an element to XYZ 19.4965, 28.9118, 30.9385 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(51, 163, 144) }
```


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

```
.border{ border-color:rgb(51, 163, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 163, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 163, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 163, 144);  
box-shadow:4px 4px 4px 4px rgb(51, 163,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4965, 28.9118, 30.9385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 163, 144) }
```

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

```
.background{ background-color: rgb(51, 163,  
144) }
```

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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