

Converting Colors

XYZ(19.8397, 30.3092, 33.2479)

Have a look what the booklet for
XYZ(19.8397, 30.3092, 33.2479)
contains.

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Color

**XYZ(19.8794, 30.4082,
33.2554)**

Conversions

Conversions Part 1

Format	Color
Hex	1BA895
RGB	27, 168, 149
RGB Percent	11%, 66%, 58%
CMY	0.8941, 0.3412, 0.4157
CMYK	0.84, 0.00, 0.11, 0.34
HSL	172°, 72%, 38%
HSV	172°, 84%, 66%
XYZ	19.8794, 30.4082, 33.2554
YIQ	123.6750, -77.9370, -35.8010

Conversions

Conversions Part 2

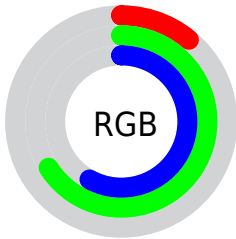
Format	Color
RYB	27, 103, 168
Decimal	1812629
CIELab	62.00, -39.43, -0.20
CIELCh	62, 39.432, 180.287
Yxy	30.4082, 0.2380, 0.3640
Android (android.graphics.Color)	4280002709 (0xFF1BA895)
YUV	123.6750, 12.4852, -84.7840
Hunter-Lab	55.1436, -32.1517, 2.8446

Details

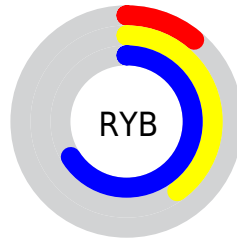
The XYZ color **19.8794, 30.4082, 33.2554** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.0345, 9.3067, 3.4844**, and the grayscale version is **19.0297, 20.0207, 21.8026**.

A 20% lighter version of the original color is **42.8020, 60.3898, 65.9004**, and **8.3353, 13.1433, 13.6529** is the 20% darker color. If you saturate the color by 10%, you get **19.3768, 30.1705, 32.2980**, and if you desaturate by 10%, it is **20.6411, 30.7805, 34.2446**.

Distribution



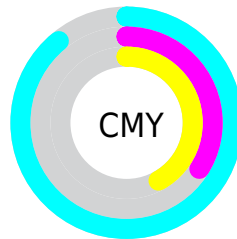
- Red (11%)
- Green (66%)
- Blue (58%)



- Red (11%)
- Yellow (40%)
- Blue (66%)



- Cyan (84%)
- Magenta (0%)
- Yellow (11%)
- Black (34%)



- Cyan (89%)
- Magenta (34%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8794, 30.4082, 33.2554 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 19.8794, 30.4082, 33.2554 by changing the saturation by 10% instead.

■ 19.8794, 30.4082,
33.2554

■ 19.8794, 30.4082,
33.2554

244.1075,
303.8026, 331.4662

■ 12.4152, 20.1486,
22.0495

■ 42.7204, 60.3071,
65.8947

■ 7.1013, 12.5031,
13.6946

■ 58.8278, 80.7153,
88.1651

■ 3.5724, 7.0873,
7.7722

■ 78.5471, 105.2751,
114.9607

■ 1.4632, 3.5168,
3.8639

■ 102.2435,
134.3709, 146.7001

■ 0.3006, 1.4071,
1.5510

■ 130.2823,
168.3872, 183.8018

■ 0.0000, 0.2219,
0.2555

■ 163.0291,

■ 0.0000, 0.0000,

207.7083, 226.6844

0.0000

200.8490,
252.7186, 275.7664

■ 19.8794, 30.4082,
33.2554

■ 19.8794, 30.4082,
33.2554

■ 19.3768, 30.1705,
32.2980

■ 20.6411, 30.7805,
34.2446

■ 19.1419, 30.0618,
31.7281

■ 21.6972, 31.3035,
35.2654

■ 23.0801, 31.9944,
36.3201

■ 24.8173, 32.8677,
37.4099

■ 26.9333, 33.9358,
38.5363

■ 29.4505, 35.2103,
39.7003

■ 32.3896, 36.7018,
40.9029

■ 35.7696, 38.4203,
42.1453

■ 39.6087, 40.3750,
43.4282

Harmonies

Analogous

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



20.9394, 30.4082, 20.6707



19.8794, 30.4082, 33.2554



20.9805, 30.4082, 50.0755

Triad

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



19.8794, 30.4082, 33.2554



34.3398, 30.4082, 65.1610



34.2409, 30.4082, 13.7101

Complementary

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



19.8794, 30.4082, 33.2554



17.0345, 9.3067, 3.4844

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.



38.6021, 30.4082, 20.4867



19.8794, 30.4082, 33.2554



38.6639, 30.4082, 49.7435

Square

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



19.8794, 30.4082, 33.2554



28.9530, 30.4082, 71.6043



40.3098, 30.4082, 32.9637



28.8512, 30.4082, 11.6911

Rectangle

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



19.8794, 30.4082, 33.2554



22.8795, 30.4082, 60.9445



40.3098, 30.4082, 32.9637



35.8984, 30.4082, 15.3796

Sweetspot

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



19.8803, 30.4094, 33.2561



52.6904, 63.5119, 71.7107



15.4274, 28.7177, 5.7674



11.1400, 13.6685, 15.4742



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.



19.8803, 30.4094, 33.2561



34.6763, 54.5263, 57.2665



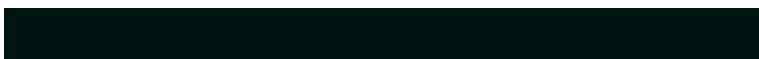
14.0762, 16.1720, 39.4267



7.7034, 8.5144, 9.4243



14.4684, 22.7061, 24.0312



0.3636, 0.5571, 0.6458

Inverse Universe

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



17.0345, 9.3067, 3.4844



29.5325, 15.1981, 2.5757



18.9560, 13.6224, 2.6677



7.5708, 7.5582, 8.0568



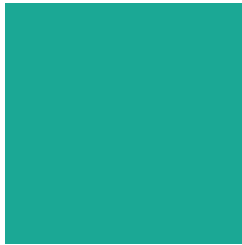
12.3203, 6.3368, 1.2324



0.3118, 0.1590, 0.0932

Previews

White Background



This preview shows how the XYZ color 19.8794, 30.4082, 33.2554 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 19.8794, 30.4082, 33.2554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

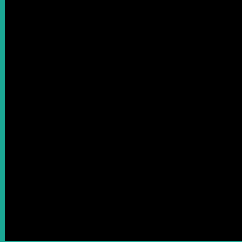
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.8794, 30.4082, 33.2554

Background



This preview shows how black text looks on a background with the XYZ color 19.8794, 30.4082, 33.2554.

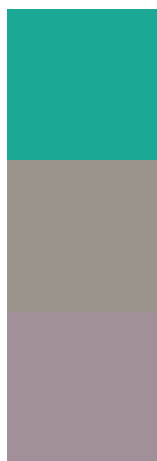


This preview shows how white text looks on a background with the XYZ color 19.8794, 30.4082,

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

19.8794, 30.4082, 33.2554

Protanopia

28.5038, 29.8848, 28.3108

Deuteranopia

30.5039, 29.8567, 34.7270



Tritanopia

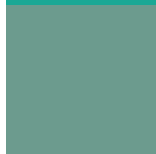
22.5267, 30.4034, 46.2761

Trichromacy



Original Color

19.8794, 30.4082, 33.2554



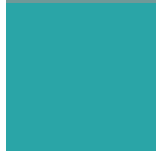
Protanomaly

22.7882, 28.5838, 29.9074



Deuteranomaly

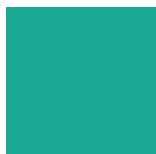
23.7408, 28.4942, 33.9544



Tritanomaly

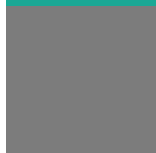
21.3850, 30.1925, 41.2598

Monochromacy



Original Color

19.8794, 30.4082, 33.2554



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.7315, 22.5735, 25.6129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8794, 30.4082, 33.2554 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(27, 168, 149)` looks like.

```
.text, #text, p{  
    color:rgb(27, 168, 149)  
}
```

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(27, 168, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 168, 149) }
```

Border

The CSS property to change the border of an element to XYZ 19.8794, 30.4082, 33.2554 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(27, 168, 149) }
```


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

```
.border{ border-color:rgb(27, 168, 149) }
```

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

Here you see how a box with a 4 pixel rgb(27, 168, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 168, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 168, 149);  
box-shadow:4px 4px 4px 4px rgb(27, 168,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8794, 30.4082, 33.2554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 168, 149) }
```

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

```
.background{ background-color: rgb(27, 168,  
149) }
```

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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