

Converting Colors

XYZ(18.3547, 30.0943, 33.2281)

Have a look what the booklet for
XYZ(18.3547, 30.0943, 33.2281)
contains.

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Color

**XYZ(19.7995, 30.9194,
33.3583)**

Conversions

Conversions Part 1

Format	Color
Hex	00AA95
RGB	0, 170, 149
RGB Percent	0%, 67%, 58%
CMY	0.9999, 0.3333, 0.4157
CMYK	1.00, 0.00, 0.12, 0.33
HSL	173°, 100%, 33%
HSV	173°, 100%, 67%
XYZ	19.7995, 30.9194, 33.3583
YIQ	116.7760, -94.5790, -42.5710

Conversions

Conversions Part 2

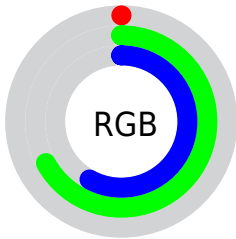
Format	Color
RYB	0, 91, 170
Decimal	43669
CIELab	62.44, -41.70, 0.41
CIELCh	62, 41.705, 179.432
Yxy	30.9194, 0.2355, 0.3678
Android (android.graphics.Color)	4278233749 (0xFF00AA95)
YUV	116.7760, 15.8864, -102.4126
Hunter-Lab	55.6052, -33.7501, 3.3548

Details

The XYZ color **19.7995, 30.9194, 33.3583** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **16.7139, 8.6009, 1.4896**, and the grayscale version is **16.8146, 17.6902, 19.2646**.

A 20% lighter version of the original color is **42.5919, 61.0842, 66.0455**, and **8.5659, 13.6044, 13.7297** is the 20% darker color. If you saturate the color by 10%, you get **19.8000, 30.9204, 33.3582**, and if you desaturate by 10%, it is **20.2009, 31.1075, 34.2611**.

Distribution



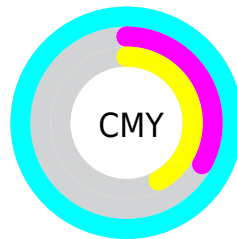
- Red (0%)
- Green (67%)
- Blue (58%)



- Red (0%)
- Yellow (36%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (33%)





- Cyan (100%)
- Magenta (33%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.7995, 30.9194, 33.3583 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 19.7995, 30.9194, 33.3583 by changing the saturation by 10% instead.


 19.7995, 30.9194,
33.3583


 19.7995, 30.9194,
33.3583


243.6819,
306.1668, 331.9426


 12.3568, 20.5375,
22.1277


 42.5873, 61.1132,
66.0570


 7.0611, 12.7863,
13.7516


 58.6631, 81.6938,
88.3621

 3.5470, 7.2816,
7.8113


 78.3473, 106.4428,
115.1959

 1.4492, 3.6388,
3.8884

 102.0053,
135.7445, 146.9768

 0.2909, 1.4736,
1.5643

 130.0024,
169.9834, 184.1233

 0.0000, 0.2701,
0.2652

 162.7039,

 0.0000, 0.0000,

209.5438, 227.0541

0.0000

200.4753,
254.8101, 276.1877

■ 19.7995, 30.9194,
33.3583

■ 19.7995, 30.9194,
33.3583

■ 19.8000, 30.9204,
33.3582

■ 20.2009, 31.1075,
34.2611

■ 20.8020, 31.3975,
35.1885

■ 21.6832, 31.8315,
36.1450

■ 22.8807, 32.4282,
37.1322

■ 24.4250, 33.2034,
38.1518

■ 26.3432, 34.1709,
39.2051

■ 28.6597, 35.3434,
40.2933

■ 31.3967, 36.7323,
41.4176

■ 34.5748, 38.3483,
42.5788

Harmonies

Analogous

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



20.9834, 30.9194, 20.1808



19.7995, 30.9194, 33.3583



20.8975, 30.9194, 51.4072

Triad

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



19.7995, 30.9194, 33.3583



35.0624, 30.9194, 68.7297



35.2728, 30.9194, 13.3390

Complementary

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



19.7995, 30.9194, 33.3583



16.7139, 8.6009, 1.4896

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.



39.9136, 30.9194, 20.5632



19.7995, 30.9194, 33.3583



39.7816, 30.9194, 52.1193

Square

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



19.7995, 30.9194, 33.3583



29.2803, 30.9194, 75.4011



41.6591, 30.9194, 33.9755



29.4959, 30.9194, 11.1384

Rectangle

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



19.7995, 30.9194, 33.3583



22.8675, 30.9194, 63.3006



41.6591, 30.9194, 33.9755



37.0432, 30.9194, 15.1161

Sweetspot

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



19.8004, 30.9206, 33.3590



51.7457, 63.9967, 72.9944



14.7214, 28.9290, 4.8084



11.1393, 14.0688, 16.0963



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



19.8004, 30.9206, 33.3590



35.8687, 56.0778, 60.2326



12.5845, 13.5591, 39.9855



7.7071, 8.5159, 9.4435



14.5785, 22.7502, 24.6110



0.3655, 0.5578, 0.6555

Inverse Universe

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



16.7139, 8.6009, 1.4896



30.2809, 15.5870, 2.4745



18.3197, 12.0293, 1.3568



7.5674, 7.5568, 8.0393



12.3061, 6.3311, 1.1575



0.3105, 0.1585, 0.0866

Previews

White Background



This preview shows how the XYZ color 19.7995, 30.9194, 33.3583 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 19.7995, 30.9194, 33.3583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

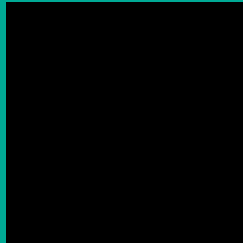
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

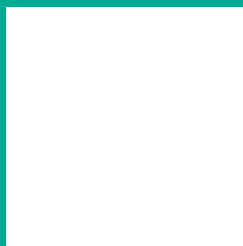
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7995, 30.9194, 33.3583

Background



This preview shows how black text looks on a background with the XYZ color 19.7995, 30.9194, 33.3583.

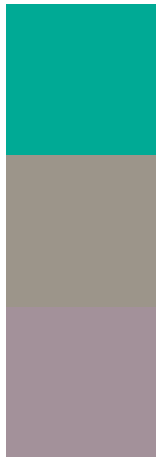


This preview shows how white text looks on a background with the XYZ color 19.7995, 30.9194,

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

19.7995, 30.9194, 33.3583

Protanopia

29.0452, 30.3978, 28.3813

Deuteranopia

31.0624, 30.3704, 34.7968



Tritanopia

22.8551, 31.0850, 47.4432

Trichromacy



Original Color

19.7995, 30.9194, 33.3583



Protanomaly

22.0850, 28.7196, 29.9706



Deuteranomaly

22.9320, 28.3213, 33.9637



Tritanomaly

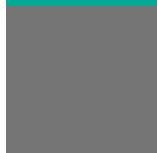
21.3933, 30.7258, 41.8489

Monochromacy



Original Color

19.7995, 30.9194, 33.3583



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

15.5906, 20.6491, 23.9328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7995, 30.9194, 33.3583 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, 170, 149)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 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(0, 170, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 149) }
```

Border

The CSS property to change the border of an element to XYZ 19.7995, 30.9194, 33.3583 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, 170, 149) }
```


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

```
.border{ border-color:rgb(0, 170, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 149);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7995, 30.9194, 33.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 149) }
```

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

```
.background{ background-color: rgb(0, 170,  
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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