

Converting Colors

XYZ(17.3369, 31.1579, 33.2299)

Have a look what the booklet for
XYZ(17.3369, 31.1579, 33.2299)
contains.

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Color

**XYZ(20.6753, 32.7981,
33.2579)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00AF94 |
| RGB | 0, 175, 148 |
| RGB Percent | 0%, 69%, 58% |
| CMY | 0.9999, 0.3137, 0.4196 |
| CMYK | 1.00, 0.00, 0.15, 0.31 |
| HSL | 171°, 100%, 34% |
| HSV | 171°, 100%, 69% |
| XYZ | 20.6753, 32.7981, 33.2579 |
| YIQ | 119.5970, -95.6330, -45.4970 |

Conversions

Conversions Part 2

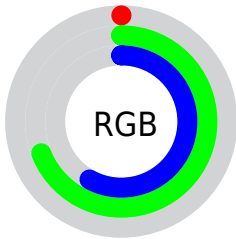
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 95, 175 |
| Decimal | 44948 |
| CIELab | 64.00, -44.11, 3.23 |
| CIELCh | 64, 44.228, 175.807 |
| Yxy | 32.7981, 0.2384, 0.3782 |
| Android (android.graphics.Color) | 4278235028 (0xFF00AF94) |
| YUV | 119.5970, 14.0027, -104.8866 |
| Hunter-Lab | 57.2696, -35.7803, 5.6576 |

Details

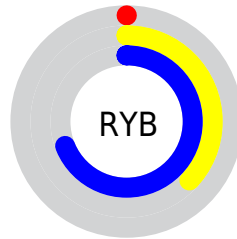
The XYZ color **20.6753, 32.7981, 33.2579** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **17.8782, 9.1941, 1.8708**, and the grayscale version is **17.7054, 18.6275, 20.2853**.

A 20% lighter version of the original color is **43.9559, 63.8490, 65.8845**, and **8.9950, 14.5378, 13.6413** is the 20% darker color. If you saturate the color by 10%, you get **20.6756, 32.7991, 33.2571**, and if you desaturate by 10%, it is **21.1329, 33.0098, 34.4091**.

Distribution



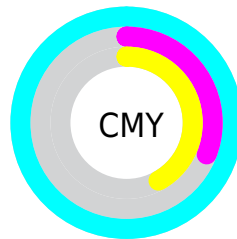
- Red (0%)
- Green (69%)
- Blue (58%)



- Red (0%)
- Yellow (37%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6753, 32.7981, 33.2579 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 20.6753, 32.7981, 33.2579 by changing the saturation by 10% instead.


 20.6753, 32.7981,
33.2579


 20.6753, 32.7981,
33.2579


248.3123,
314.7390, 331.4778


 12.9980, 21.9718,
22.0514


 44.0419, 64.0602,
65.8986


 7.5041, 13.8362,
13.6960


 60.4618, 85.2648,
88.1699


 3.8284, 8.0068,
7.7732


 80.5267, 110.6976,
114.9664

 1.6055, 4.0993,
3.8645

 104.6019,
140.7431, 146.7068

 0.3960, 1.7293,
1.5513

 133.0526,
175.7855, 183.8096

 0.0000, 0.4425,
0.2557

 166.2444,

 0.0000, 0.0000,

216.2094, 226.6934

0.0000

204.5425,
262.3991, 275.7766

■ 20.6753, 32.7981,
33.2579

■ 20.6753, 32.7981,
33.2579

■ 20.6756, 32.7991,
33.2571

■ 21.1329, 33.0098,
34.4091

■ 21.8076, 33.3320,
35.5959

■ 22.7834, 33.8089,
36.8232

■ 24.0991, 34.4605,
38.0929

■ 25.7879, 35.3037,
39.4068

■ 27.8786, 36.3536,
40.7665

■ 30.3976, 37.6237,
42.1732

■ 33.3687, 39.1262,
43.6283

■ 36.8141, 40.8726,
45.1329

Harmonies

Analogous

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



22.2670, 32.7981, 19.6751



20.6753, 32.7981, 33.2579



21.5734, 32.7981, 52.8521

Triad

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



20.6753, 32.7981, 33.2579



36.6927, 32.7981, 76.4274



38.4126, 32.7981, 14.1661

Complementary

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



20.6753, 32.7981, 33.2579



17.8782, 9.1941, 1.8708

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.



43.2679, 32.7981, 22.7465



20.6753, 32.7981, 33.2579



42.1856, 32.7981, 58.7066

Square

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



20.6753, 32.7981, 33.2579



30.3047, 32.7981, 82.0994



44.7327, 32.7981, 38.2830



32.0590, 32.7981, 11.2384

Rectangle

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



20.6753, 32.7981, 33.2579



23.5371, 32.7981, 66.4406



44.7327, 32.7981, 38.2830



40.3054, 32.7981, 16.3089

Sweetspot

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



20.6762, 32.7994, 33.2587



54.1788, 67.2488, 75.3916



15.8427, 30.9250, 5.1348



11.6102, 14.7290, 16.5234



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.6762, 32.7994, 33.2587



36.9619, 58.7134, 59.2124



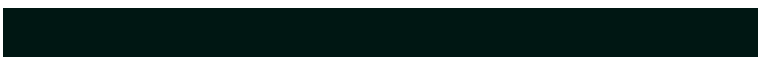
14.0621, 15.7428, 42.8564



8.1824, 9.0505, 9.9856



14.8243, 23.4950, 23.9122



0.4265, 0.6592, 0.7393

Inverse Universe

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



17.8782, 9.1941, 1.8708



31.9665, 16.4442, 3.0810



19.2108, 12.1759, 1.3384



8.0538, 8.0348, 8.5939



12.8175, 6.5895, 1.4184



0.3716, 0.1893, 0.1187

Previews

White Background



This preview shows how the XYZ color 20.6753, 32.7981, 33.2579 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 20.6753, 32.7981, 33.2579 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

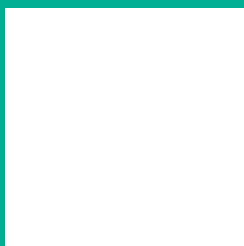
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6753, 32.7981, 33.2579

Background



This preview shows how black text looks on a background with the XYZ color 20.6753, 32.7981, 33.2579.

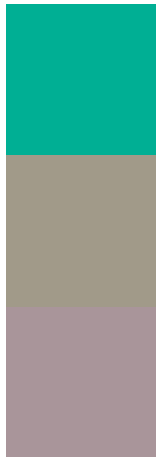


This preview shows how white text looks on a background with the XYZ color 20.6753, 32.7981,

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

20.6753, 32.7981, 33.2579

Protanopia

30.7689, 32.4944, 28.3173

Deuteranopia

32.9424, 32.2630, 35.0630



Tritanopia

24.2931, 32.8631, 50.4102

Trichromacy



Original Color

20.6753, 32.7981, 33.2579



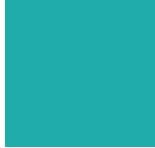
Protanomaly

23.2075, 30.5885, 29.8803



Deuteranomaly

24.0787, 29.9089, 34.2097



Tritanomaly

22.6683, 32.7366, 43.6521

Monochromacy



Original Color

20.6753, 32.7981, 33.2579



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.3878, 21.9044, 24.4833

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6753, 32.7981, 33.2579 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, 175, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 148)  
}
```

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, 175, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 148) }
```

Border

The CSS property to change the border of an element to XYZ 20.6753, 32.7981, 33.2579 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, 175, 148) }
```


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

```
.border{ border-color:rgb(0, 175, 148) }
```

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

Here you see how a box with a 4 pixel rgb(0, 175, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6753, 32.7981, 33.2579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 148) }
```

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

```
.background{ background-color: rgb(0, 175,  
148) }
```

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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