

Converting Colors

XYZ(10.7109, 26.8368, 36.5016)

Have a look what the booklet for
XYZ(10.7109, 26.8368, 36.5016)
contains.

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Color

**XYZ(20.8383, 31.9394,
36.9649)**

Conversions

Conversions Part 1

Format	Color
Hex	00AC9D
RGB	0, 172, 157
RGB Percent	0%, 67%, 62%
CMY	0.9999, 0.3255, 0.3843
CMYK	1.00, 0.00, 0.09, 0.33
HSL	175°, 100%, 34%
HSV	175°, 100%, 67%
XYZ	20.8383, 31.9394, 36.9649
YIQ	118.8620, -97.6970, -41.1290

Conversions

Conversions Part 2

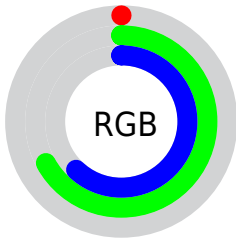
Format	Color
RYB	0, 90, 172
Decimal	44189
CIELab	63.29, -40.29, -2.81
CIELCh	63, 40.384, 183.989
Yxy	31.9394, 0.2322, 0.3559
Android (android.graphics.Color)	4278234269 (0xFF00AC9D)
YUV	118.8620, 18.8020, -104.2420
Hunter-Lab	56.5150, -33.0843, 0.7805

Details

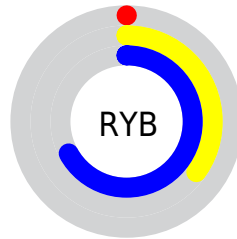
The XYZ color **20.8383, 31.9394, 36.9649** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.1005, 8.8060, 1.2512**, and the grayscale version is **17.4580, 18.3671, 20.0018**.

A 20% lighter version of the original color is **44.2206, 62.6228, 71.3848**, and **9.1983, 14.2343, 15.8984** is the 20% darker color. If you saturate the color by 10%, you get **20.8388, 31.9404, 36.9648**, and if you desaturate by 10%, it is **21.2030, 32.1133, 37.6555**.

Distribution



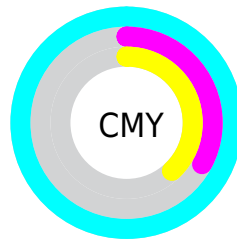
- Red (0%)
- Green (67%)
- Blue (62%)



- Red (0%)
- Yellow (35%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8383, 31.9394, 36.9649 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 20.8383, 31.9394, 36.9649 by changing the saturation by 10% instead.

■ 20.8383, 31.9394,
36.9649

■ 20.8383, 31.9394,
36.9649

■ 249.1659,
310.8431, 348.3226

■ 13.1176, 21.3152,
24.8847

■ 44.3116, 62.7161,
71.7045

■ 7.5872, 13.3546,
15.7730

■ 60.7949, 83.6374,
95.2011

■ 3.8815, 7.6732,
9.2110

■ 80.9298, 108.7598,
123.3402

■ 1.6353, 3.8865,
4.7804

■ 105.0817,
138.4678, 156.5403

■ 0.4153, 1.6103,
2.0625

■ 133.6159,
173.1457, 195.2201

■ 0.0000, 0.3645,
0.5933

■ 166.8978,

■ 0.0000, 0.0000,

213.1780, 239.7981

0.0000

205.2926,
258.9490, 290.6927

■ 20.8383, 31.9394,
36.9649

■ 20.8383, 31.9394,
36.9649

■ 20.8388, 31.9404,
36.9648

■ 21.2030, 32.1133,
37.6555

■ 21.7721, 32.3915,
38.3633

■ 22.6273, 32.8172,
39.0927

■ 23.8058, 33.4093,
39.8455

■ 25.3393, 34.1842,
40.6233

■ 27.2554, 35.1562,
41.4273

■ 29.5793, 36.3382,
42.2588

■ 32.3339, 37.7421,
43.1188

■ 35.5404, 39.3787,
44.0085

Harmonies

Analogous

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



21.6772, 31.9394, 22.9367



20.8383, 31.9394, 36.9649



22.2808, 31.9394, 55.0067

Triad

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



20.8383, 31.9394, 36.9649



36.7792, 31.9394, 67.0986



35.3252, 31.9394, 13.7820

Complementary

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



20.8383, 31.9394, 36.9649



17.1005, 8.8060, 1.2512

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.



40.1823, 31.9394, 20.2365



20.8383, 31.9394, 36.9649



41.0916, 31.9394, 50.1179

Square

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



20.8383, 31.9394, 36.9649



31.1122, 31.9394, 75.4693



42.4072, 31.9394, 32.6764



29.6150, 31.9394, 12.2026

Rectangle

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



20.8383, 31.9394, 36.9649



24.4601, 31.9394, 66.1366



42.4072, 31.9394, 32.6764



37.1338, 31.9394, 15.3298

Sweetspot

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



20.8392, 31.9406, 36.9657



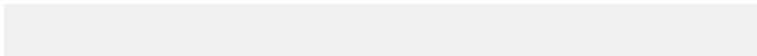
53.4076, 65.7924, 76.5767



14.9883, 29.6274, 4.9293



11.2174, 14.1001, 16.5073



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.



20.8392, 31.9406, 36.9657



37.7617, 57.9260, 66.8382



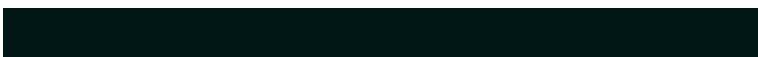
12.3181, 12.7212, 40.8373



8.2057, 9.0599, 10.1085



15.5171, 23.7721, 27.5606



0.4403, 0.6648, 0.8121

Inverse Universe

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



17.1005, 8.8060, 1.2512



30.9871, 15.9603, 2.0895



19.1307, 13.0044, 1.5024



8.0326, 8.0263, 8.4823



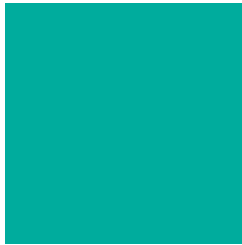
12.7341, 6.5562, 0.9793



0.3632, 0.1860, 0.0742

Previews

White Background



This preview shows how the XYZ color 20.8383, 31.9394, 36.9649 looks on a white background.

Color Contrast Check

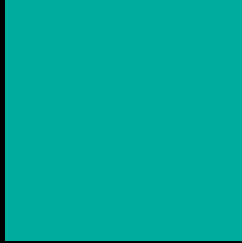
Large Text (above 18pt) WCAG AA × Fail

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 20.8383, 31.9394, 36.9649 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

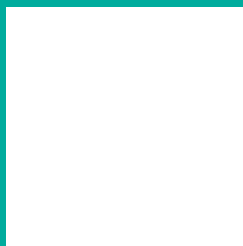
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8383, 31.9394, 36.9649

Background



This preview shows how black text looks on a background with the XYZ color 20.8383, 31.9394, 36.9649.

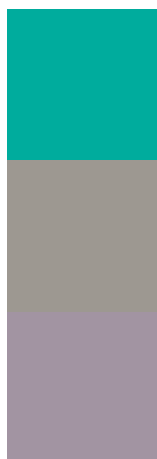


This preview shows how white text looks on a background with the XYZ color 20.8383, 31.9394,

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

20.8383, 31.9394, 36.9649

Protanopia

30.2437, 31.6689, 31.3068

Deuteranopia

32.0118, 31.4698, 38.5695



Tritanopia

23.4010, 31.8749, 49.1751

Trichromacy



Original Color

20.8383, 31.9394, 36.9649



Protanomaly

23.0785, 29.6755, 32.9454



Deuteranomaly

23.9957, 29.5356, 37.6939



Tritanomaly

22.1828, 31.6261, 44.4705

Monochromacy



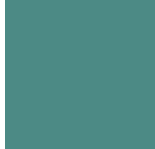
Original Color

20.8383, 31.9394, 36.9649



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

16.3026, 21.4069, 25.4630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8383, 31.9394, 36.9649 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, 172, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 157)  
}
```

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, 172, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 157) }
```

Border

The CSS property to change the border of an element to XYZ 20.8383, 31.9394, 36.9649 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, 172, 157) }
```


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

```
.border{ border-color:rgb(0, 172, 157) }
```

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

Here you see how a box with a 4 pixel rgb(0, 172, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8383, 31.9394, 36.9649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 157) }
```

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

```
.background{ background-color: rgb(0, 172,  
157) }
```

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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