

Converting Colors

XYZ(19.0799, 31.8205, 38.6081)

Have a look what the booklet for
XYZ(19.0799, 31.8205, 38.6081)
contains.

XYZ(21.6751, 33.1980, 38.5232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.6751, 33.1980,
38.5232)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFA0
RGB	0, 175, 160
RGB Percent	0%, 69%, 63%
CMY	0.9999, 0.3137, 0.3725
CMYK	1.00, 0.00, 0.09, 0.31
HSL	175°, 100%, 34%
HSV	175°, 100%, 69%
XYZ	21.6751, 33.1980, 38.5232
YIQ	120.9650, -99.4850, -41.7650

Conversions

Conversions Part 2

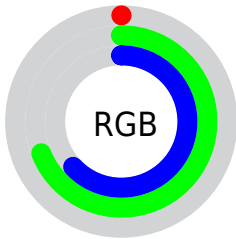
Format	Color
RYB	0, 91, 175
Decimal	44960
CIELab	64.32, -40.73, -2.97
CIELCh	64, 40.843, 184.171
Yxy	33.1980, 0.2321, 0.3555
Android (android.graphics.Color)	4278235040 (0xFF00AFA0)
YUV	120.9650, 19.2443, -106.0863
Hunter-Lab	57.6177, -33.6814, 0.6911

Details

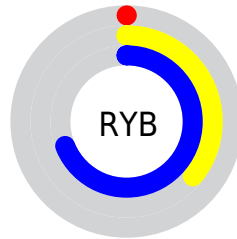
The XYZ color **21.6751, 33.1980, 38.5232** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.7664, 9.1493, 1.2824**, and the grayscale version is **18.1281, 19.0722, 20.7696**.

A 20% lighter version of the original color is **45.6655, 64.5449, 74.3416**, and **9.7199, 15.0232, 16.8555** is the 20% darker color. If you saturate the color by 10%, you get **21.6756, 33.1990, 38.5231**, and if you desaturate by 10%, it is **22.0485, 33.3760, 39.2308**.

Distribution



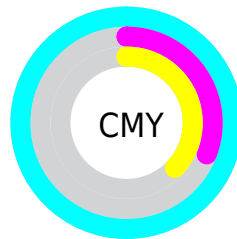
- Red (0%)
- Green (69%)
- Blue (63%)



- Red (0%)
- Yellow (36%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6751, 33.1980, 38.5232 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 21.6751, 33.1980, 38.5232 by changing the saturation by 10% instead.

■ 21.6751, 33.1980,
38.5232

■ 21.6751, 33.1980,
38.5232

■ 253.5092,
316.5410, 355.2243

■ 13.7336, 22.2782,
26.0840

■ 45.6913, 64.6845,
74.1217

■ 8.0161, 14.0614,
16.6602

■ 62.4967, 86.0200,
98.1180

■ 4.1571, 8.1634,
9.8331

■ 82.9875, 111.5962,
126.8039

■ 1.7914, 4.1997,
5.1843

■ 107.5290,
141.7974, 160.5978

■ 0.5125, 1.7859,
2.2952

■ 136.4865,
177.0081, 199.9182

■ 0.0000, 0.4784,
0.7285

■ 170.2255,

■ 0.0000, 0.0000,

217.6127, 245.1838

0.0000

209.1113,
263.9955, 296.8129

■ 21.6751, 33.1980,
38.5232

■ 21.6751, 33.1980,
38.5232

■ 21.6756, 33.1990,
38.5231

■ 22.0485, 33.3760,
39.2308

■ 22.6355, 33.6631,
39.9559

■ 23.5201, 34.1036,
40.7033

■ 24.7412, 34.7173,
41.4748

■ 26.3318, 35.5212,
42.2720

■ 28.3208, 36.5304,
43.0962

■ 30.7345, 37.7584,
43.9487

■ 33.5967, 39.2173,
44.8307

■ 36.9296, 40.9187,
45.7432

Harmonies

Analogous

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



22.5317, 33.1980, 23.9265



21.6751, 33.1980, 38.5232



23.1868, 33.1980, 57.2499

Triad

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



21.6751, 33.1980, 38.5232



38.2506, 33.1980, 69.5899



36.6735, 33.1980, 14.3257

Complementary

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



21.6751, 33.1980, 38.5232



17.7664, 9.1493, 1.2824

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.



41.7243, 33.1980, 20.9952



21.6751, 33.1980, 38.5232



42.7104, 33.1980, 51.9485

Square

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



21.6751, 33.1980, 38.5232



32.3729, 33.1980, 78.3467



44.0532, 33.1980, 33.8705



30.7485, 33.1980, 12.7121

Rectangle

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



21.6751, 33.1980, 38.5232



25.4577, 33.1980, 68.7713



44.0532, 33.1980, 33.8705



38.5525, 33.1980, 15.9231

Sweetspot

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



21.6761, 33.1993, 38.5240



54.7929, 67.4944, 78.6254



15.5712, 30.7851, 5.1221



11.7641, 14.7905, 17.3340



84.5950, 89.0005, 96.9216



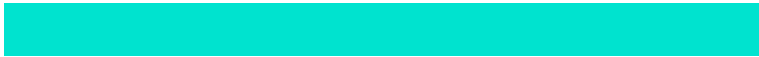
16.2198, 17.0645, 18.5832

Same Dimension

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



21.6761, 33.1993, 38.5240



38.7783, 59.4400, 68.7774



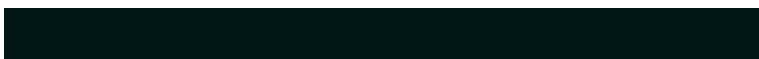
12.7911, 13.2007, 42.4327



8.2063, 9.0601, 10.1112



15.5333, 23.7786, 27.6460



0.4406, 0.6649, 0.8137

Inverse Universe

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



17.7664, 9.1493, 1.2824



31.7843, 16.3714, 2.1215



19.8710, 13.4965, 1.5584



8.0321, 8.0261, 8.4798



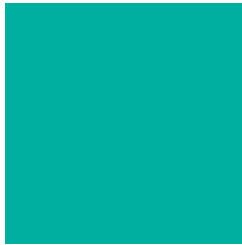
12.7326, 6.5556, 0.9716



0.3630, 0.1859, 0.0732

Previews

White Background



This preview shows how the XYZ color 21.6751, 33.1980, 38.5232 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 21.6751, 33.1980, 38.5232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

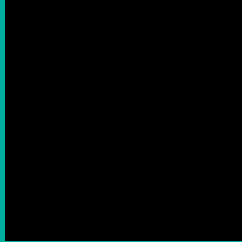
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

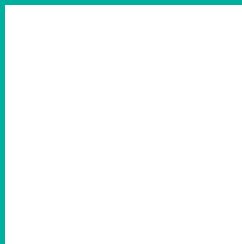
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6751, 33.1980, 38.5232

Background



This preview shows how black text looks on a background with the XYZ color 21.6751, 33.1980, 38.5232.

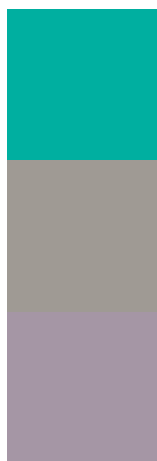


This preview shows how white text looks on a background with the XYZ color 21.6751, 33.1980,

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

21.6751, 33.1980, 38.5232

Protanopia

31.1990, 32.6202, 32.6689

Deuteranopia

33.2149, 32.5286, 40.1253



Tritanopia

24.3161, 33.1422, 51.0144

Trichromacy



Original Color

21.6751, 33.1980, 38.5232



Protanomaly

23.9547, 30.8744, 34.4026



Deuteranomaly

24.8347, 30.4439, 39.2177



Tritanomaly

23.0410, 32.8726, 46.2050

Monochromacy



Original Color

21.6751, 33.1980, 38.5232



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.9586, 22.3768, 26.3470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6751, 33.1980, 38.5232 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 160) }
```

Border

The CSS property to change the border of an element to XYZ 21.6751, 33.1980, 38.5232 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, 160) }
```


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

```
.border{ border-color:rgb(0, 175, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6751, 33.1980, 38.5232 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, 160) }
```

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

```
.background{ background-color: rgb(0, 175,  
160) }
```

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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