

Converting Colors

XYZ(19.6966, 32.0186, 39.0292)

Have a look what the booklet for
XYZ(19.6966, 32.0186, 39.0292)
contains.

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Color

**XYZ(21.5691, 32.8453,
38.9212)**

Conversions

Conversions Part 1

Format	Color
Hex	00AEA1
RGB	0, 174, 161
RGB Percent	0%, 68%, 63%
CMY	0.9999, 0.3176, 0.3686
CMYK	1.00, 0.00, 0.07, 0.32
HSL	176°, 100%, 34%
HSV	176°, 100%, 68%
XYZ	21.5691, 32.8453, 38.9212
YIQ	120.4920, -99.5310, -40.9310

Conversions

Conversions Part 2

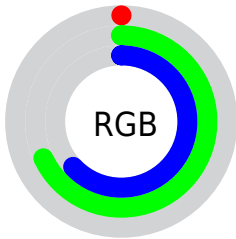
Format	Color
RYB	0, 90, 174
Decimal	44705
CIELab	64.04, -40.00, -3.95
CIELCh	64, 40.197, 185.636
Yxy	32.8453, 0.2311, 0.3519
Android (android.graphics.Color)	4278234785 (0xFF00AEA1)
YUV	120.4920, 19.9704, -105.6715
Hunter-Lab	57.3108, -33.1149, -0.1477

Details

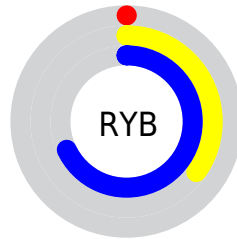
The XYZ color **21.5691, 32.8453, 38.9212** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.5293, 9.0288, 1.2007**, and the grayscale version is **17.9743, 18.9104, 20.5934**.

A 20% lighter version of the original color is **45.5154, 64.0383, 74.9275**, and **9.6518, 14.8005, 17.0999** is the 20% darker color. If you saturate the color by 10%, you get **21.5695, 32.8463, 38.9209**, and if you desaturate by 10%, it is **21.9239, 33.0156, 39.5403**.

Distribution



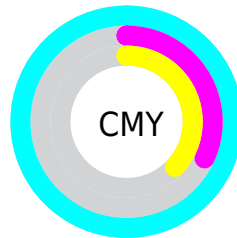
- Red (0%)
- Green (68%)
- Blue (63%)



- Red (0%)
- Yellow (35%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5691, 32.8453, 38.9212 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 21.5691, 32.8453, 38.9212 by changing the saturation by 10% instead.

■ 21.5691, 32.8453,
38.9212

■ 21.5691, 32.8453,
38.9212

■ 252.9625,
314.9521, 356.9713

■ 13.6555, 22.0080,
26.3911

■ 45.5169, 64.1339,
74.7369

■ 7.9615, 13.8627,
16.8880

■ 62.2819, 85.3540,
98.8596

■ 4.1219, 8.0253,
9.9936

■ 82.7279, 110.8038,
127.6836

■ 1.7713, 4.1111,
5.2892

■ 107.2204,
140.8677, 161.6274

■ 0.5003, 1.7359,
2.3562

■ 136.1248,
175.9300, 201.1095

■ 0.0000, 0.4467,
0.7625

■ 169.8064,

■ 0.0000, 0.0000,

216.3753, 246.5485

0.0000

208.6305,
262.5879, 298.3629

■ 21.5691, 32.8453,
38.9212

■ 21.5691, 32.8453,
38.9212

■ 21.5695, 32.8463,
38.9209

■ 21.9239, 33.0156,
39.5403

■ 22.4889, 33.2934,
40.1748

■ 23.3473, 33.7224,
40.8293

■ 24.5374, 34.3221,
41.5055

■ 26.0916, 35.1095,
42.2052

■ 28.0387, 36.0992,
42.9295

■ 30.4043, 37.3046,
43.6797

■ 33.2121, 38.7378,
44.4570

■ 36.4838, 40.4100,
45.2624

Harmonies

Analogous

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



22.2954, 32.8453, 24.3574



21.5691, 32.8453, 38.9212



23.1627, 32.8453, 57.2378

Triad

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



21.5691, 32.8453, 38.9212



38.0181, 32.8453, 67.6515



35.9401, 32.8453, 14.1794

Complementary

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



21.5691, 32.8453, 38.9212



17.5293, 9.0288, 1.2007

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.



40.9540, 32.8453, 20.4692



21.5691, 32.8453, 38.9212



42.2519, 32.8453, 50.2671

Square

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



21.5691, 32.8453, 38.9212



32.3026, 32.8453, 76.7527



43.3864, 32.8453, 32.7803



30.1589, 32.8453, 12.8058

Rectangle

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



21.5691, 32.8453, 38.9212



25.4551, 32.8453, 68.2625



43.3864, 32.8453, 32.7803



37.7921, 32.8453, 15.6705

Sweetspot

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



21.5701, 32.8465, 38.9220



54.8930, 67.5345, 79.1525



15.3261, 30.3708, 5.0553



11.7893, 14.8006, 17.4664



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.



21.5701, 32.8465, 38.9220



39.0870, 59.5635, 70.4028



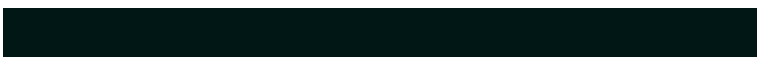
12.3444, 12.4638, 41.8008



8.2101, 9.0616, 10.1314



15.6536, 23.8267, 28.2793



0.4430, 0.6658, 0.8261

Inverse Universe

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



17.5293, 9.0288, 1.2007



31.7637, 16.3631, 2.0130



19.8073, 13.7011, 1.6015



8.0286, 8.0247, 8.4616



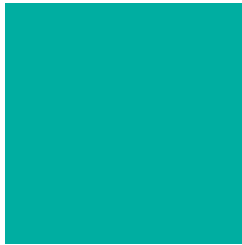
12.7225, 6.5515, 0.9181



0.3616, 0.1853, 0.0660

Previews

White Background



This preview shows how the XYZ color 21.5691, 32.8453, 38.9212 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 21.5691, 32.8453, 38.9212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

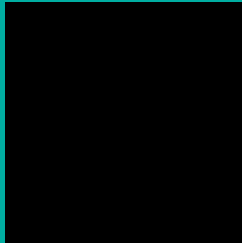
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.5691, 32.8453, 38.9212

Background



This preview shows how black text looks on a background with the XYZ color 21.5691, 32.8453, 38.9212.

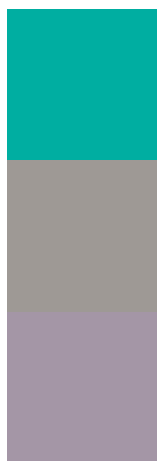


This preview shows how white text looks on a background with the XYZ color 21.5691, 32.8453,

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

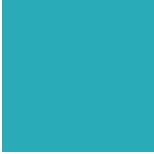
21.5691, 32.8453, 38.9212

Protanopia

30.9166, 32.2215, 33.0237

Deuteranopia

33.0991, 32.4584, 40.5970



Tritanopia

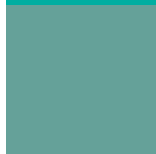
24.1695, 33.0788, 50.4584

Trichromacy



Original Color

21.5691, 32.8453, 38.9212



Protanomaly

23.8615, 30.5563, 34.7773



Deuteranomaly

24.8079, 30.4197, 39.6860



Tritanomaly

23.0410, 32.8726, 46.2050

Monochromacy



Original Color

21.5691, 32.8453, 38.9212



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.8826, 22.1115, 26.6707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5691, 32.8453, 38.9212 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, 174, 161)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 161)  
}
```

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, 174, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 161) }
```

Border

The CSS property to change the border of an element to XYZ 21.5691, 32.8453, 38.9212 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, 174, 161) }
```


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

```
.border{ border-color:rgb(0, 174, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 161);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5691, 32.8453, 38.9212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 161) }
```

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

```
.background{ background-color: rgb(0, 174,  
161) }
```

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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