

Converting Colors

XYZ(21.9107, 35.2703, 33.6655)

Have a look what the booklet for
XYZ(21.9107, 35.2703, 33.6655)
contains.

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Color

**XYZ(21.8692, 35.1859,
33.6559)**

Conversions

Conversions Part 1

Format	Color
Hex	00B594
RGB	0, 181, 148
RGB Percent	0%, 71%, 58%
CMY	0.9999, 0.2902, 0.4196
CMYK	1.00, 0.00, 0.18, 0.29
HSL	169°, 100%, 35%
HSV	169°, 100%, 71%
XYZ	21.8692, 35.1859, 33.6559
YIQ	123.1190, -97.2830, -48.6350

Conversions

Conversions Part 2

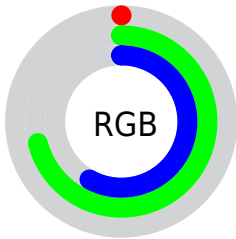
Format	Color
RYB	0, 100, 181
Decimal	46484
CIELab	65.89, -46.60, 5.97
CIELCh	66, 46.983, 172.702
Yxy	35.1859, 0.2411, 0.3879
Android (android.graphics.Color)	4278236564 (0xFF00B594)
YUV	123.1190, 12.2663, -107.9754
Hunter-Lab	59.3177, -37.9968, 7.8822

Details

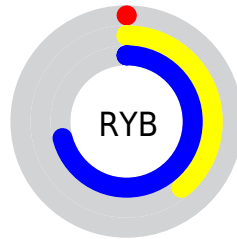
The XYZ color **21.8692, 35.1859, 33.6559** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.3319, 9.9346, 2.3394**, and the grayscale version is **18.8526, 19.8344, 21.5997**.

A 20% lighter version of the original color is **46.0591, 67.9001, 66.5556**, and **9.7470, 16.0418, 13.8919** is the 20% darker color. If you saturate the color by 10%, you get **21.8695, 35.1870, 33.6549**, and if you desaturate by 10%, it is **22.3867, 35.4229, 35.0643**.

Distribution



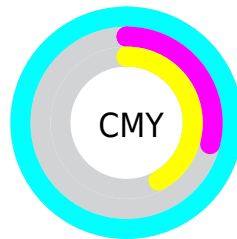
- Red (0%)
- Green (71%)
- Blue (58%)



- Red (0%)
- Yellow (39%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8692, 35.1859, 33.6559 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 21.8692, 35.1859, 33.6559 by changing the saturation by 10% instead.


 21.8692, 35.1859,
33.6559


 21.8692, 35.1859,
33.6559

254.5077,
325.3881, 333.3172


 13.8769, 23.8061,
22.3542


 46.0102, 67.7737,
66.5260

 8.1162, 15.1899,
13.9166


 62.8896, 89.7504,
88.9314

 4.2218, 8.9527,
7.9246


 83.4620, 116.0283,
115.8751

 1.8284, 4.7104,
3.9596

 108.0929,
146.9917, 147.7757

 0.5347, 2.0783,
1.6032

 137.1475,
183.0249, 185.0516

 0.0000, 0.6524,
0.2931

 170.9913,

 0.0000, 0.0000,

224.5125, 228.1215

0.0000

209.9896,
271.8388, 277.4038

■ 21.8692, 35.1859,
33.6559

■ 21.8692, 35.1859,
33.6559

■ 21.8695, 35.1870,
33.6549

■ 22.3867, 35.4229,
35.0643

■ 23.1430, 35.7813,
36.5224

■ 24.2265, 36.3075,
38.0353

■ 25.6798, 37.0235,
39.6053

■ 27.5387, 37.9476,
41.2344

■ 29.8349, 39.0964,
42.9245

■ 32.5969, 40.4843,
44.6771

■ 35.8506, 42.1248,
46.4937

■ 39.6202, 44.0303,
48.3758

Harmonies

Analogous

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



23.9052, 35.1859, 19.4956



21.8692, 35.1859, 33.6559



22.5746, 35.1859, 55.0484

Triad

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



21.8692, 35.1859, 33.6559



38.8663, 35.1859, 85.5315



42.2052, 35.1859, 15.2306

Complementary

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



21.8692, 35.1859, 33.6559



19.3319, 9.9346, 2.3394

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.



47.3370, 35.1859, 25.3657



21.8692, 35.1859, 33.6559



45.2306, 35.1859, 66.4728

Square

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



21.8692, 35.1859, 33.6559



31.7754, 35.1859, 90.1443



48.5145, 35.1859, 43.3777



35.1683, 35.1859, 11.5198

Rectangle

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



21.8692, 35.1859, 33.6559



24.5581, 35.1859, 70.5419



48.5145, 35.1859, 43.3777



44.2479, 35.1859, 17.7873

Sweetspot

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



21.8702, 35.1873, 33.6567



58.1027, 72.3652, 79.8486



17.1583, 33.3757, 5.5385



12.0963, 15.4085, 16.9744



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.8702, 35.1873, 33.6567



39.0885, 62.9857, 59.8624



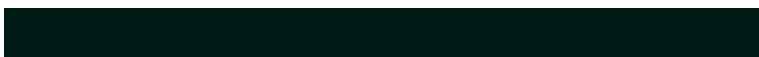
15.5103, 17.6749, 46.3118



8.6748, 9.6044, 10.5474



15.0993, 24.2657, 23.3236



0.4924, 0.7704, 0.8250

Inverse Universe

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



19.3319, 9.9346, 2.3394



34.5610, 17.7670, 3.8721



20.5366, 12.7836, 1.3858



8.5576, 8.5297, 9.1685



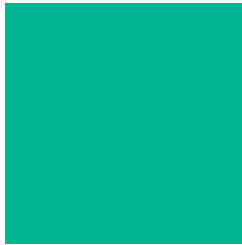
13.3453, 6.8557, 1.7122



0.4388, 0.2233, 0.1535

Previews

White Background



This preview shows how the XYZ color 21.8692, 35.1859, 33.6559 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 21.8692, 35.1859, 33.6559 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

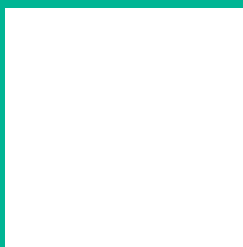
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8692, 35.1859, 33.6559

Background



This preview shows how black text looks on a background with the XYZ color 21.8692, 35.1859, 33.6559.



This preview shows how white text looks on a background with the XYZ color 21.8692, 35.1859,

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

21.8692, 35.1859, 33.6559

Protanopia

32.7784, 34.7893, 28.2800

Deuteranopia

35.2928, 34.6744, 35.4045



Tritanopia

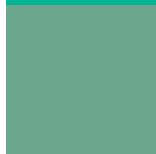
26.0924, 35.1345, 54.1216

Trichromacy



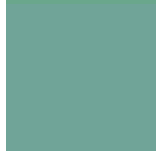
Original Color

21.8692, 35.1859, 33.6559



Protanomaly

24.4962, 32.5951, 29.8113



Deuteranomaly

25.6250, 32.2627, 34.5825



Tritanomaly

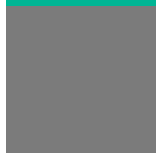
24.1197, 34.8795, 46.0186

Monochromacy



Original Color

21.8692, 35.1859, 33.6559



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.2800, 23.2322, 25.4033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8692, 35.1859, 33.6559 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, 181, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 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, 181, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 148) }
```

Border

The CSS property to change the border of an element to XYZ 21.8692, 35.1859, 33.6559 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, 181, 148) }
```


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

```
.border{ border-color:rgb(0, 181, 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, 181, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8692, 35.1859, 33.6559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 148) }
```

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

```
.background{ background-color: rgb(0, 181,  
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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