

Converting Colors

XYZ(19.8617, 34.3743, 34.5837)

Have a look what the booklet for
XYZ(19.8617, 34.3743, 34.5837)
contains.

XYZ(22.2330, 35.6579, 34.5650)	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(22.2330, 35.6579,
34.5650)**

Conversions

Conversions Part 1

Format	Color
Hex	00B696
RGB	0, 182, 150
RGB Percent	0%, 71%, 59%
CMY	0.9999, 0.2863, 0.4118
CMYK	1.00, 0.00, 0.18, 0.29
HSL	169°, 100%, 36%
HSV	169°, 100%, 71%
XYZ	22.2330, 35.6579, 34.5650
YIQ	123.9340, -98.2000, -48.5360

Conversions

Conversions Part 2

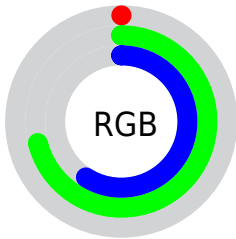
Format	Color
RYB	0, 100, 182
Decimal	46742
CIELab	66.26, -46.48, 5.39
CIELCh	66, 46.795, 173.386
Yxy	35.6579, 0.2405, 0.3857
Android (android.graphics.Color)	4278236822 (0xFF00B696)
YUV	123.9340, 12.8505, -108.6901
Hunter-Lab	59.7142, -38.0402, 7.4805

Details

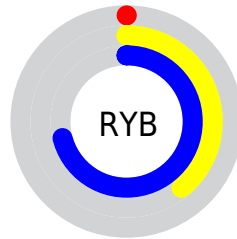
The XYZ color **22.2330, 35.6579, 34.5650** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.5535, 10.0505, 2.2779**, and the grayscale version is **19.1213, 20.1171, 21.9075**.

A 20% lighter version of the original color is **46.6954, 68.6340, 67.9133**, and **9.9713, 16.3392, 14.4326** is the 20% darker color. If you saturate the color by 10%, you get **22.2333, 35.6589, 34.5638**, and if you desaturate by 10%, it is **22.7487, 35.8944, 35.9539**.

Distribution



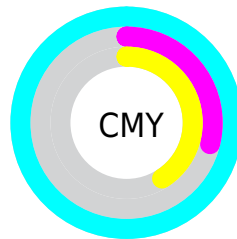
- Red (0%)
- Green (71%)
- Blue (59%)



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



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





- Cyan (100%)
- Magenta (29%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.2330, 35.6579, 34.5650 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 22.2330, 35.6579, 34.5650 by changing the saturation by 10% instead.


 22.2330, 35.6579,
34.5650


 22.2330, 35.6579,
34.5650


256.3702,
327.4628, 337.4898


 14.1458, 24.1701,
23.0471


 46.6068, 68.5037,
67.9552


 8.3045, 15.4599,
14.4227


 63.6240, 90.6305,
90.6647


 4.3438, 9.1428,
8.2731


 84.3487, 117.0725,
117.9417

 1.8984, 4.8344,
4.1799

 109.1461,
148.2139, 150.2049

 0.5759, 2.1504,
1.7246

 138.3816,
184.4393, 187.8728

 0.0000, 0.6928,
0.3775

 172.4205,

 0.0000, 0.0000,

226.1330, 231.3638

0.0000

211.6283,
273.6793, 281.0967

■ 22.2330, 35.6579,
34.5650

■ 22.2330, 35.6579,
34.5650

■ 22.2333, 35.6589,
34.5638

■ 22.7487, 35.8944,
35.9539

■ 23.5060, 36.2538,
37.3903

■ 24.5943, 36.7830,
38.8796

■ 26.0565, 37.5041,
40.4240

■ 27.9291, 38.4360,
42.0254

■ 30.2441, 39.5951,
43.6857

■ 33.0304, 40.9963,
45.4065

■ 36.3144, 42.6532,
47.1893

■ 40.1204, 44.5783,
49.0354

Harmonies

Analogous

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



24.2212, 35.6579, 20.1187



22.2330, 35.6579, 34.5650



23.0067, 35.6579, 56.1651

Triad

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



22.2330, 35.6579, 34.5650



39.5021, 35.6579, 85.8615



42.5418, 35.6579, 15.4259

Complementary

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



22.2330, 35.6579, 34.5650



19.5535, 10.0505, 2.2779

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.



47.7610, 35.6579, 25.4814



22.2330, 35.6579, 34.5650



45.8445, 35.6579, 66.5536

Square

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



22.2330, 35.6579, 34.5650



32.3695, 35.6579, 90.8811



49.0458, 35.6579, 43.4222



35.4610, 35.6579, 11.7948

Rectangle

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



22.2330, 35.6579, 34.5650



25.0449, 35.6579, 71.6602



49.0458, 35.6579, 43.4222



44.6094, 35.6579, 17.9574

Sweetspot

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



22.2340, 35.6593, 34.5658



59.5959, 74.1794, 82.1531



17.3684, 33.7869, 5.6069



12.6745, 16.1381, 17.8529



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.2340, 35.6593, 34.5658



40.2285, 64.6156, 62.2463



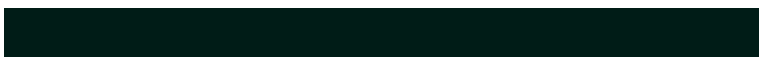
15.6991, 17.8877, 46.8827



9.1971, 10.1828, 11.1951



15.7223, 25.1899, 24.5232



0.5723, 0.8952, 0.9594

Inverse Universe

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



19.5535, 10.0505, 2.2779



35.3878, 18.1954, 3.8097



20.7878, 12.9367, 1.4022



9.0674, 9.0373, 9.7022



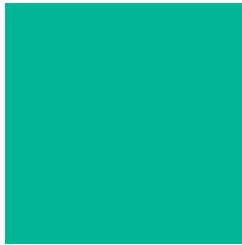
13.8253, 7.1039, 1.7010



0.5073, 0.2584, 0.1648

Previews

White Background



This preview shows how the XYZ color 22.2330, 35.6579, 34.5650 looks on a white background.

Color Contrast Check

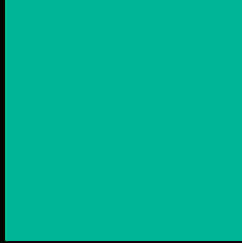
Large Text (above 18pt) WCAG AA × Fail

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 22.2330, 35.6579, 34.5650 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

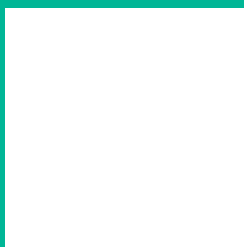
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2330, 35.6579, 34.5650

Background



This preview shows how black text looks on a background with the XYZ color 22.2330, 35.6579, 34.5650.

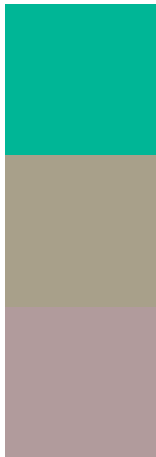


This preview shows how white text looks on a background with the XYZ color 22.2330, 35.6579,

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

22.2330, 35.6579, 34.5650

Protanopia

33.3067, 35.3014, 29.1032

Deuteranopia

35.8536, 35.1901, 36.3552



Tritanopia

26.3975, 35.5691, 54.7645

Trichromacy



Original Color

22.2330, 35.6579, 34.5650



Protanomaly

24.9485, 33.0841, 30.6621



Deuteranomaly

26.0979, 32.7541, 35.5185



Tritanomaly

24.4166, 35.3155, 46.6040

Monochromacy



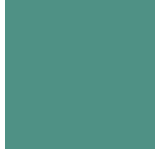
Original Color

22.2330, 35.6579, 34.5650



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

17.5835, 23.6065, 25.8201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2330, 35.6579, 34.5650 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, 182, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 150)  
}
```

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, 182, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 150) }
```

Border

The CSS property to change the border of an element to XYZ 22.2330, 35.6579, 34.5650 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, 182, 150) }
```


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

```
.border{ border-color:rgb(0, 182, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2330, 35.6579, 34.5650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 150) }
```

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

```
.background{ background-color: rgb(0, 182,  
150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor