

Converting Colors

XYZ(21.7563, 34.3346, 35.5468)

Have a look what the booklet for
XYZ(21.7563, 34.3346, 35.5468)
contains.

XYZ(21.8699, 34.5401, 35.6512)	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(21.8699, 34.5401,
35.6512)**

Conversions

Conversions Part 1

Format	Color
Hex	00B399
RGB	0, 179, 153
RGB Percent	0%, 70%, 60%
CMY	0.9999, 0.2980, 0.4000
CMYK	1.00, 0.00, 0.15, 0.30
HSL	171°, 100%, 35%
HSV	171°, 100%, 70%
XYZ	21.8699, 34.5401, 35.6512
YIQ	122.5150, -98.3380, -46.0340

Conversions

Conversions Part 2

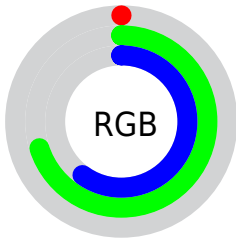
Format	Color
RYB	0, 97, 179
Decimal	45977
CIELab	65.39, -44.43, 2.48
CIELCh	65, 44.495, 176.808
Yxy	34.5401, 0.2376, 0.3752
Android (android.graphics.Color)	4278236057 (0xFF00B399)
YUV	122.5150, 15.0291, -107.4457
Hunter-Lab	58.7708, -36.4252, 5.1734

Details

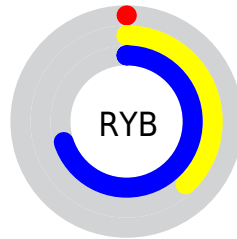
The XYZ color **21.8699, 34.5401, 35.6512** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **18.7781, 9.6594, 1.8538**, and the grayscale version is **18.6457, 19.6168, 21.3627**.

A 20% lighter version of the original color is **46.0818, 66.9827, 69.5317**, and **9.7319, 15.6265, 15.0737** is the 20% darker color. If you saturate the color by 10%, you get **21.8702, 34.5411, 35.6502**, and if you desaturate by 10%, it is **22.3359, 34.7560, 36.8074**.

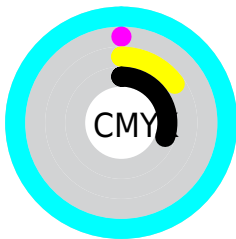
Distribution



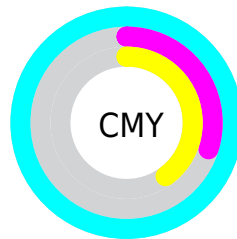
- Red (0%)
- Green (70%)
- Blue (60%)



- Red (0%)
- Yellow (38%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (30%)





- Cyan (100%)
- Magenta (30%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.8699, 34.5401, 35.6512 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 21.8699, 34.5401, 35.6512 by changing the saturation by 10% instead.


 21.8699, 34.5401,
35.6512


 21.8699, 34.5401,
35.6512


254.5113,
322.5337, 342.4246


 13.8774, 23.3088,
23.8774


 46.0113, 66.7727,
69.6563

 8.1166, 14.8217,
15.0313


 62.8910, 88.5428,
92.7247


 4.2221, 8.6944,
8.6945


 83.4637, 114.5946,
120.3950

 1.8285, 4.5424,
4.4484

 108.0949,
145.3126, 153.0858

 0.5348, 1.9813,
1.8744

 137.1499,
181.0811, 191.2157

 0.0000, 0.5966,
0.4764

 170.9941,

 0.0000, 0.0000,

222.2845, 235.2030

0.0000

209.9927,
269.3072, 285.4665

■ 21.8699, 34.5401,
35.6512

■ 21.8699, 34.5401,
35.6512

■ 21.8702, 34.5411,
35.6502

■ 22.3359, 34.7560,
36.8074

■ 23.0312, 35.0889,
37.9982

■ 24.0431, 35.5844,
39.2285

■ 25.4127, 36.2636,
40.5004

■ 27.1748, 37.1448,
41.8158

■ 29.3603, 38.2436,
43.1761

■ 31.9967, 39.5743,
44.5829

■ 35.1094, 41.1500,
46.0375

■ 38.7218, 42.9827,
47.5410

Harmonies

Analogous

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



23.4461, 34.5401, 21.2264



21.8699, 34.5401, 35.6512



22.8948, 34.5401, 56.1601

Triad

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



21.8699, 34.5401, 35.6512



38.7914, 34.5401, 79.4270



40.1536, 34.5401, 14.9117

Complementary

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



21.8699, 34.5401, 35.6512



18.7781, 9.6594, 1.8538

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.



45.2881, 34.5401, 23.6711



21.8699, 34.5401, 35.6512



44.4316, 34.5401, 60.7896

Square

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



21.8699, 34.5401, 35.6512



32.1387, 34.5401, 85.8296



46.9476, 34.5401, 39.6357



33.5298, 34.5401, 12.0040

Rectangle

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



21.8699, 34.5401, 35.6512



25.0003, 34.5401, 70.1847



46.9476, 34.5401, 39.6357



42.1428, 34.5401, 17.0910

Sweetspot

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



21.8709, 34.5414, 35.6520



57.0358, 70.7389, 79.7104



16.5695, 32.4727, 5.3954



12.1819, 15.4427, 17.4253



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.



21.8709, 34.5414, 35.6520



39.1027, 61.8342, 63.5048



14.4245, 15.8293, 44.9444



8.6885, 9.6099, 10.6194



15.4725, 24.4150, 25.2889



0.5013, 0.7740, 0.8717

Inverse Universe

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



18.7781, 9.6594, 1.8538



33.5795, 17.2780, 3.0569



20.3504, 13.1026, 1.4573



8.5450, 8.5247, 9.1024



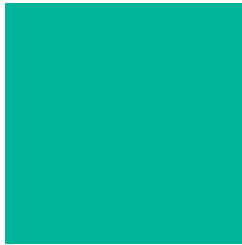
13.2839, 6.8311, 1.3890



0.4336, 0.2212, 0.1262

Previews

White Background



This preview shows how the XYZ color 21.8699, 34.5401, 35.6512 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 21.8699, 34.5401, 35.6512 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

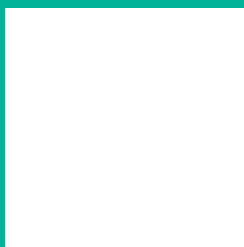
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8699, 34.5401, 35.6512

Background



This preview shows how black text looks on a background with the XYZ color 21.8699, 34.5401, 35.6512.

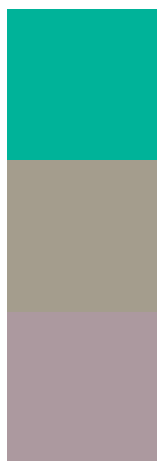


This preview shows how white text looks on a background with the XYZ color 21.8699, 34.5401,

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

21.8699, 34.5401, 35.6512

Protanopia

32.1745, 33.9295, 30.0526

Deuteranopia

34.6625, 34.0563, 37.5475



Tritanopia

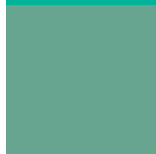
25.5285, 34.5811, 52.9063

Trichromacy



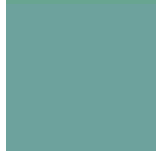
Original Color

21.8699, 34.5401, 35.6512



Protanomaly

24.2749, 31.8977, 31.6655



Deuteranomaly

25.3128, 31.5262, 36.6493



Tritanomaly

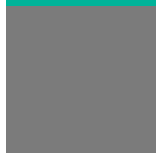
23.8589, 34.4529, 45.9500

Monochromacy



Original Color

21.8699, 34.5401, 35.6512



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.2674, 22.9859, 26.0809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8699, 34.5401, 35.6512 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, 179, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 179, 153)  
}
```

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, 179, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 153) }
```

Border

The CSS property to change the border of an element to XYZ 21.8699, 34.5401, 35.6512 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, 179, 153) }
```


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

```
.border{ border-color:rgb(0, 179, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8699, 34.5401, 35.6512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 153) }
```

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

```
.background{ background-color: rgb(0, 179,  
153) }
```

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