

Converting Colors

XYZ(21.5645, 47.8600, 51.0187)

Have a look what the booklet for
XYZ(21.5645, 47.8600, 51.0187)
contains.

XYZ(33.5697, 53.9583, 51.8257)	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(33.5697, 53.9583,
51.8257)**

Conversions

Conversions Part 1

Format	Color
Hex	00DBB4
RGB	0, 219, 180
RGB Percent	0%, 86%, 71%
CMY	0.9999, 0.1412, 0.2941
CMYK	1.00, 0.00, 0.18, 0.14
HSL	169°, 100%, 43%
HSV	169°, 100%, 86%
XYZ	33.5697, 53.9583, 51.8257
YIQ	149.0730, -118.0050, -58.5570

Conversions

Conversions Part 2

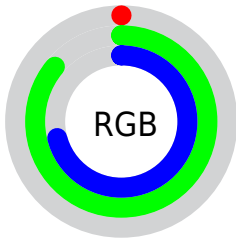
Format	Color
RYB	0, 120, 219
Decimal	56244
CIELab	78.44, -53.63, 6.67
CIELCh	78, 54.038, 172.913
Yxy	53.9583, 0.2409, 0.3872
Android (android.graphics.Color)	4278246324 (0xFF00DBB4)
YUV	149.0730, 15.2470, -130.7370
Hunter-Lab	73.4563, -46.9736, 9.5885

Details

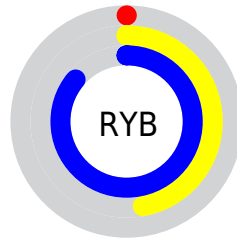
The XYZ color **33.5697, 53.9583, 51.8257** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **29.5816, 15.2080, 3.2987**, and the grayscale version is **28.5759, 30.0641, 32.7398**.

A 20% lighter version of the original color is **56.9637, 80.7019, 91.9316**, and **16.9280, 27.7267, 24.5383** is the 20% darker color. If you saturate the color by 10%, you get **33.5702, 53.9599, 51.8239**, and if you desaturate by 10%, it is **34.3033, 54.2912, 53.9651**.

Distribution



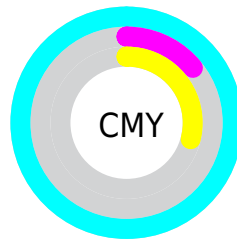
- Red (0%)
- Green (86%)
- Blue (71%)



- Red (0%)
- Yellow (47%)
- Blue (86%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5697, 53.9583, 51.8257 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 33.5697, 53.9583, 51.8257 by changing the saturation by 10% instead.


 33.5697, 53.9583,
51.8257


 33.5697, 53.9583,
51.8257


309.8289,
401.9510, 410.7011


 22.7245, 38.5683,
36.4849


 64.6127, 96.0130,
94.2981


 14.5098, 26.4241,
24.5163


 85.5413, 123.4465,
122.2668

 8.5602, 17.1412,
15.5013


 110.5617,
155.6634, 155.2818

 4.5102, 10.3352,
9.0214

 140.0393,
193.0479, 193.7617

 1.9946, 5.6218,
4.6582

 174.3395,
235.9846, 238.1250

 0.6309, 2.6165,
1.9929

213.8275,

 0.0000, 0.9350,

284.8577, 288.7904

0.5509

258.8689,
340.0517, 346.1762

■ 0.0000, 0.0000,
0.0000

■ 33.5697, 53.9583,
51.8257

■ 33.5697, 53.9583,
51.8257

■ 33.5702, 53.9599,
51.8239

■ 34.3033, 54.2912,
53.9651

■ 35.4198, 54.8190,
56.1801

■ 37.0429, 55.6065,
58.4781

■ 39.2412, 56.6892,
60.8629

■ 42.0726, 58.0970,
63.3374

■ 45.5879, 59.8560,
65.9047

■ 49.8326, 61.9897,
68.5672

■ 54.8483, 64.5196,
71.3273

■ 60.6735, 67.4653,
74.1873

Harmonies

Analogous

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



36.6569, 53.9583, 30.0654



33.5697, 53.9583, 51.8257



34.6790, 53.9583, 84.5950

Triad

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



33.5697, 53.9583, 51.8257



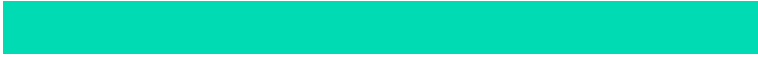
59.6559, 53.9583, 130.7814



64.6150, 53.9583, 23.3520

Complementary

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



33.5697, 53.9583, 51.8257



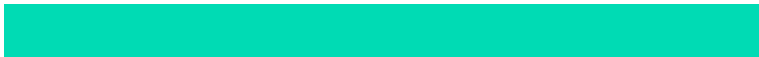
29.5816, 15.2080, 3.2987

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.



72.4935, 53.9583, 38.7932



33.5697, 53.9583, 51.8257



69.3656, 53.9583, 101.5569

Square

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



33.5697, 53.9583, 51.8257



48.8068, 53.9583, 138.0175



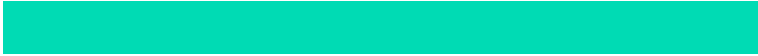
74.3422, 53.9583, 66.2682



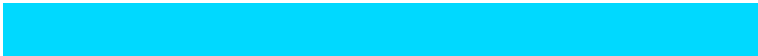
53.8473, 53.9583, 17.7219

Rectangle

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



33.5697, 53.9583, 51.8257



37.7339, 53.9583, 108.2586



74.3422, 53.9583, 66.2682



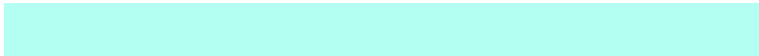
67.7465, 53.9583, 27.2449

Sweetspot

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



33.5712, 53.9604, 51.8270



70.1682, 87.4175, 96.6876



26.2145, 51.1196, 8.4863



14.4484, 18.4239, 20.3498



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.5712, 53.9604, 51.8270



47.3407, 76.1523, 72.9033



23.6396, 26.8200, 70.9510



13.3402, 14.7877, 16.2542



19.9417, 32.0093, 30.9218



1.3185, 2.0844, 2.1433

Inverse Universe

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



29.5816, 15.2080, 3.2987



41.7218, 21.4527, 4.4669



31.3658, 19.3630, 2.0852



13.1503, 13.0892, 14.0525



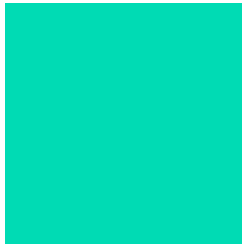
17.5680, 9.0282, 2.1051



1.1670, 0.5964, 0.2884

Previews

White Background



This preview shows how the XYZ color 33.5697, 53.9583, 51.8257 looks on a white background.

Color Contrast Check

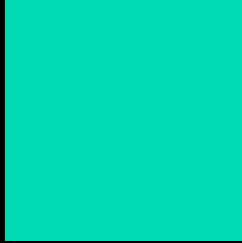
Large Text (above 18pt) WCAG AA × Fail

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 33.5697, 53.9583, 51.8257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

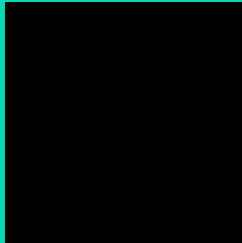
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

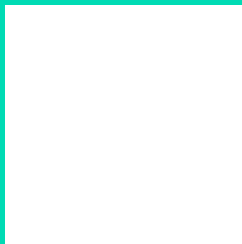
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5697, 53.9583, 51.8257

Background



This preview shows how black text looks on a background with the XYZ color 33.5697, 53.9583, 51.8257.



This preview shows how white text looks on a background with the XYZ color 33.5697, 53.9583,

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

33.5697, 53.9583, 51.8257

Protanopia

50.0897, 53.0090, 43.6681

Deuteranopia

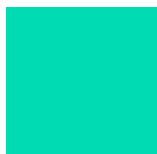
53.9691, 52.8518, 54.3706



Tritanopia

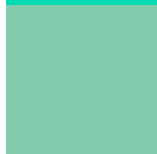
39.8007, 53.8341, 82.4220

Trichromacy



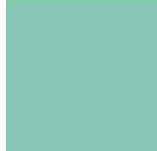
Original Color

33.5697, 53.9583, 51.8257



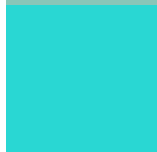
Protanomaly

37.5245, 49.8485, 46.1720



Deuteranomaly

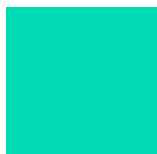
38.9992, 49.0831, 52.7659



Tritanomaly

36.9728, 53.7754, 70.0590

Monochromacy



Original Color

33.5697, 53.9583, 51.8257



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

26.2005, 35.2431, 38.6794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5697, 53.9583, 51.8257 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, 219, 180)` looks like.

```
.text, #text, p{  
    color:rgb(0, 219, 180)  
}
```

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, 219, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 219, 180) }
```

Border

The CSS property to change the border of an element to XYZ 33.5697, 53.9583, 51.8257 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, 219, 180) }
```


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

```
.border{ border-color:rgb(0, 219, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 219, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 219, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 219, 180);  
box-shadow:4px 4px 4px 4px rgb(0, 219,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5697, 53.9583, 51.8257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 219, 180) }
```

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

```
.background{ background-color: rgb(0, 219,  
180) }
```

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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