

Converting Colors

XYZ(33.9777, 52.2032, 55.8624)

Have a look what the booklet for
XYZ(33.9777, 52.2032, 55.8624)
contains.

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Color

**XYZ(33.9604, 52.1553,
55.8540)**

Conversions

Conversions Part 1

Format	Color
Hex	27D6BC
RGB	39, 214, 188
RGB Percent	15%, 84%, 74%
CMY	0.8470, 0.1608, 0.2627
CMYK	0.82, 0.00, 0.12, 0.16
HSL	171°, 69%, 50%
HSV	171°, 82%, 84%
XYZ	33.9604, 52.1553, 55.8540
YIQ	158.7110, -95.9540, -45.1860

Conversions

Conversions Part 2

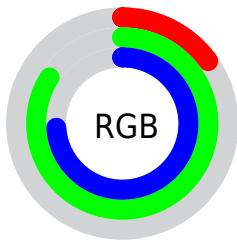
Format	Color
RYB	39, 134, 214
Decimal	2610876
CIELab	77.37, -47.67, 0.89
CIElCh	77, 47.682, 178.933
Yxy	52.1553, 0.2392, 0.3674
Android (android.graphics.Color)	4280800956 (0xFF27D6BC)
YUV	158.7110, 14.4395, -104.9865
Hunter-Lab	72.2186, -42.4440, 4.6981

Details

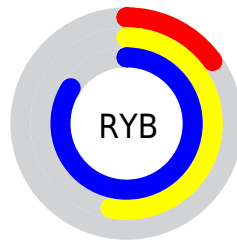
The XYZ color **33.9604, 52.1553, 55.8540** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **29.4131, 16.1304, 6.5666**, and the grayscale version is **32.7928, 34.5005, 37.5711**.

A 20% lighter version of the original color is **59.4253, 81.8336, 98.2514**, and **16.6000, 26.2030, 27.1044** is the 20% darker color. If you saturate the color by 10%, you get **33.0278, 51.7149, 54.0416**, and if you desaturate by 10%, it is **35.3600, 52.8380, 57.7301**.

Distribution



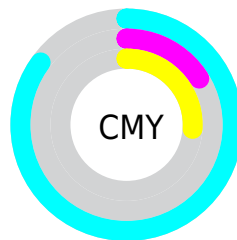
- Red (15%)
- Green (84%)
- Blue (74%)



- Red (15%)
- Yellow (53%)
- Blue (84%)



- Cyan (82%)
- Magenta (0%)
- Yellow (12%)
- Black (16%)





- Cyan (85%)
- Magenta (16%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9604, 52.1553, 55.8540 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 33.9604, 52.1553, 55.8540 by changing the saturation by 10% instead.

 33.9604, 52.1553,
55.8540


 33.9604, 52.1553,
55.8540


311.5445,
395.0359, 426.5139


 23.0259, 37.1289,
39.6827


 65.2168, 93.3602,
100.2747


 14.7335, 25.3073,
26.9793


 86.2694, 120.3075,
129.3612


 8.7176, 16.3061,
17.3254


 111.4254,
151.9972, 163.5899

 4.6131, 9.7410,
10.3023

 141.0503,
188.8138, 203.3792

 2.0545, 5.2276,
5.4917

 175.5092,
231.1415, 249.1477

 0.6643, 2.3814,
2.4748

215.1677,

 0.0000, 0.8163,

279.3648, 301.3139

0.8268

260.3910,
333.8682, 360.2965

■ 0.0000, 0.0000,
0.0000

■ 33.9604, 52.1553,
55.8540

■ 33.9604, 52.1553,
55.8540

■ 33.0278, 51.7149,
54.0416

■ 35.3600, 52.8380,
57.7301

■ 32.5120, 51.4806,
52.5900

■ 37.2892, 53.7916,
59.6694

■ 39.8058, 55.0472,
61.6762

■ 42.9586, 56.6298,
63.7530

■ 46.7914, 58.5621,
65.9019

■ 51.3441, 60.8646,
68.1252

■ 56.6535, 63.5563,
70.4248

■ 62.7537, 66.6547,
72.8026

■ 69.6769, 70.1766,
75.2602

Harmonies

Analogous

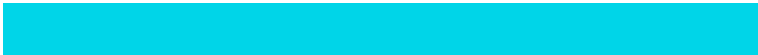
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.9599, 52.1553, 34.5264



33.9604, 52.1553, 55.8540



35.6958, 52.1553, 84.8651

Triad

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



33.9604, 52.1553, 55.8540



58.5938, 52.1553, 113.3860



59.2313, 52.1553, 23.6045

Complementary

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



33.9604, 52.1553, 55.8540



29.4131, 16.1304, 6.5666

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.



66.6460, 52.1553, 35.7074



33.9604, 52.1553, 55.8540



66.2472, 52.1553, 87.0098

Square

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



33.9604, 52.1553, 55.8540



49.2448, 52.1553, 123.6538



69.3570, 52.1553, 57.7329



49.9008, 52.1553, 19.8029

Rectangle

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



33.9604, 52.1553, 55.8540



38.8750, 52.1553, 103.9596



69.3570, 52.1553, 57.7329



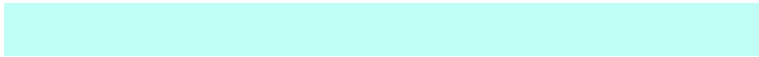
62.0708, 52.1553, 26.6077

Sweetspot

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



33.9619, 52.1573, 55.8552



73.8709, 89.2536, 100.1432



26.6112, 49.3742, 10.0483



15.2995, 18.8451, 21.1839



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.



33.9619, 52.1573, 55.8552



48.4614, 76.6079, 78.4713



24.3267, 27.9898, 67.7409



12.7092, 14.0747, 15.5489



19.6812, 31.1278, 31.9467



1.2092, 1.8863, 2.0431

Inverse Universe

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



29.4131, 16.1304, 6.5666



41.7175, 21.5396, 4.1712



32.6811, 23.6076, 4.7549



12.4977, 12.4506, 13.2952



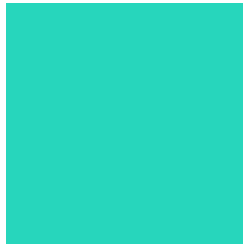
16.9416, 8.7130, 1.7306



1.0463, 0.5353, 0.2331

Previews

White Background



This preview shows how the XYZ color 33.9604, 52.1553, 55.8540 looks on a white background.

Color Contrast Check

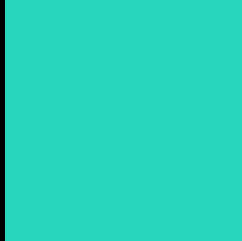
Large Text (above 18pt) WCAG AA × Fail

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 33.9604, 52.1553, 55.8540 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

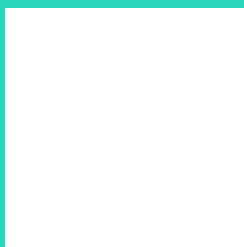
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9604, 52.1553, 55.8540

Background



This preview shows how black text looks on a background with the XYZ color 33.9604, 52.1553, 55.8540.

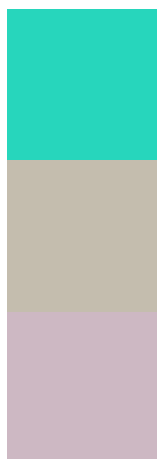


This preview shows how white text looks on a background with the XYZ color 33.9604, 52.1553,

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

33.9604, 52.1553, 55.8540

Protanopia

48.6025, 51.1869, 47.3628

Deuteranopia

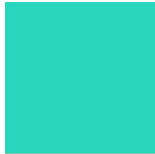
52.1677, 51.2002, 58.7629



Tritanopia

38.8427, 52.2852, 79.9963

Trichromacy



Original Color

33.9604, 52.1553, 55.8540



Protanomaly

38.9782, 49.1318, 50.0768



Deuteranomaly

40.7066, 48.8557, 57.1538



Tritanomaly

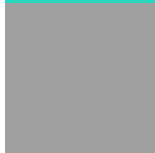
36.8653, 52.2119, 70.4222

Monochromacy



Original Color

33.9604, 52.1553, 55.8540



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.4460, 38.7873, 43.9122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9604, 52.1553, 55.8540 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(39, 214, 188)` looks like.

```
.text, #text, p{  
    color:rgb(39, 214, 188)  
}
```

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(39, 214, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 214, 188) }
```

Border

The CSS property to change the border of an element to XYZ 33.9604, 52.1553, 55.8540 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(39, 214, 188) }
```


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

```
.border{ border-color:rgb(39, 214, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 214, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 214, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 214, 188);  
box-shadow:4px 4px 4px 4px rgb(39, 214,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9604, 52.1553, 55.8540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 214, 188) }
```

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

```
.background{ background-color: rgb(39, 214,  
188) }
```

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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