

Converting Colors

XYZ(36.9597, 60.9770, 52.2195)

Have a look what the booklet for
XYZ(36.9597, 60.9770, 52.2195)
contains.

XYZ(36.9933, 60.9679, 52.4661)	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(36.9933, 60.9679,
52.4661)**

Conversions

Conversions Part 1

Format	Color
Hex	00E8B3
RGB	0, 232, 179
RGB Percent	0%, 91%, 70%
CMY	0.9999, 0.0902, 0.2980
CMYK	1.00, 0.00, 0.23, 0.09
HSL	166°, 100%, 45%
HSV	166°, 100%, 91%
XYZ	36.9933, 60.9679, 52.4661
YIQ	156.5900, -121.2590, -65.6670

Conversions

Conversions Part 2

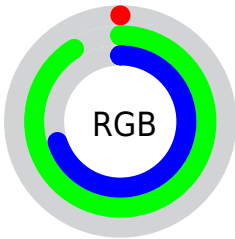
Format	Color
RYB	0, 131, 232
Decimal	59571
CIELab	82.36, -58.91, 12.79
CIELCh	82, 60.284, 167.749
Yxy	60.9679, 0.2459, 0.4053
Android (android.graphics.Color)	4278249651 (0xFF00E8B3)
YUV	156.5900, 11.0481, -137.3294
Hunter-Lab	78.0819, -52.0745, 14.8183

Details

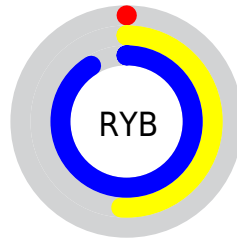
The XYZ color **36.9933, 60.9679, 52.4661** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **33.9237, 17.4145, 4.9458**, and the grayscale version is **31.8600, 33.5192, 36.5024**.

A 20% lighter version of the original color is **57.1858, 80.8332, 91.1856**, and **19.0959, 32.1663, 24.9409** is the 20% darker color. If you saturate the color by 10%, you get **36.9938, 60.9697, 52.4634**, and if you desaturate by 10%, it is **37.8999, 61.3737, 55.3629**.

Distribution



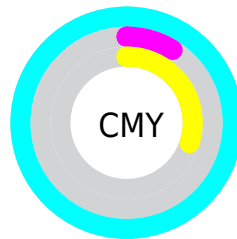
- Red (0%)
- Green (91%)
- Blue (70%)



- Red (0%)
- Yellow (51%)
- Blue (91%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (9%)





- Cyan (100%)
- Magenta (9%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9933, 60.9679, 52.4661 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 36.9933, 60.9679, 52.4661 by changing the saturation by 10% instead.


 36.9933, 60.9679,
52.4661


 36.9933, 60.9679,
52.4661


324.6375,
428.1563, 413.2414


 25.3760, 44.1993,
36.9919


 69.8764, 106.2325,
95.2518


 16.4876, 30.8272,
24.9055


 91.8728, 135.4972,
123.4005

 9.9629, 20.4673,
15.7883


 118.0597,
169.6960, 156.6111

 5.4364, 12.7352,
9.2217

 148.8023,
209.2134, 195.3021

 2.5429, 7.2464,
4.7873

 184.4660,
254.4337, 239.8921

 0.9169, 3.6167,
2.0665

225.4163,

 0.0000, 1.4615,

305.7414, 290.7996

0.5957

272.0183,
363.5208, 348.4432

■ 0.0000, 0.2614,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.9933, 60.9679,
52.4661

■ 36.9933, 60.9679,
52.4661

■ 36.9938, 60.9697,
52.4634

■ 37.8999, 61.3737,
55.3629

■ 39.2551, 62.0067,
58.3881

■ 41.1968, 62.9397,
61.5507

■ 43.8046, 64.2136,
64.8555

■ 47.1456, 65.8631,
68.3069

■ 51.2784, 67.9181,
71.9086

■ 56.2555, 70.4060,
75.6642

■ 62.1251, 73.3513,
79.5770

■ 68.9314, 76.7770,
83.6501

Harmonies

Analogous

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



41.5094, 60.9679, 29.2544



36.9933, 60.9679, 52.4661



37.4501, 60.9679, 90.3874

Triad

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



36.9933, 60.9679, 52.4661



65.8149, 60.9679, 159.2094



76.2083, 60.9679, 26.5612

Complementary

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



36.9933, 60.9679, 52.4661



33.9237, 17.4145, 4.9458

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.



84.8225, 60.9679, 47.0571



36.9933, 60.9679, 52.4661



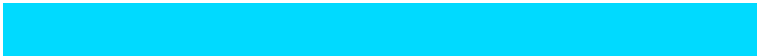
78.2384, 60.9679, 126.2671

Square

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



36.9933, 60.9679, 52.4661



52.8595, 60.9679, 162.3789



85.6160, 60.9679, 82.5676



63.3533, 60.9679, 18.4521

Rectangle

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



36.9933, 60.9679, 52.4661



40.5180, 60.9679, 119.8387



85.6160, 60.9679, 82.5676



79.7732, 60.9679, 31.7917

Sweetspot

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



36.9950, 60.9703, 52.4675



69.5973, 87.1892, 93.6814



30.3878, 58.5041, 9.6918



14.3107, 18.3688, 19.6248



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.



36.9950, 60.9703, 52.4675



45.8078, 75.5391, 64.8312



28.9684, 34.6305, 81.5042



14.6592, 16.2771, 17.7358



20.5869, 33.8669, 29.3888



1.5558, 2.5164, 2.3535

Inverse Universe

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



33.9237, 17.4145, 4.9458



42.0104, 21.5682, 5.9871



34.9969, 20.5901, 2.1307



14.5112, 14.4217, 15.6264



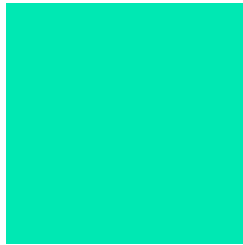
18.8715, 9.6828, 2.9525



1.4295, 0.7295, 0.4023

Previews

White Background



This preview shows how the XYZ color 36.9933, 60.9679, 52.4661 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 36.9933, 60.9679, 52.4661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

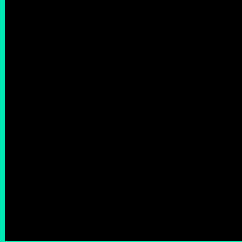
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

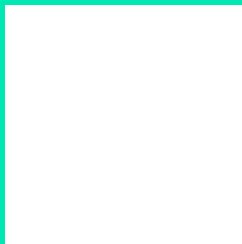
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.9933, 60.9679, 52.4661

Background



This preview shows how black text looks on a background with the XYZ color 36.9933, 60.9679, 52.4661.

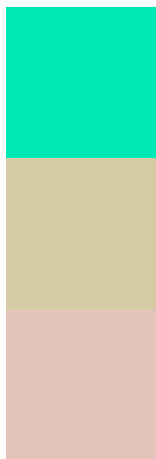


This preview shows how white text looks on a background with the XYZ color 36.9933, 60.9679,

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

36.9933, 60.9679, 52.4661

Protanopia

56.1718, 59.8756, 44.1939

Deuteranopia

61.0227, 59.7257, 55.3257



Tritanopia

45.4303, 61.1386, 93.4109

Trichromacy



Original Color

36.9933, 60.9679, 52.4661



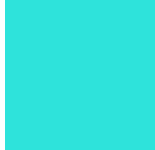
Protanomaly

41.6188, 56.3138, 46.7063



Deuteranomaly

43.3063, 55.1726, 53.7143



Tritanomaly

41.3820, 60.6335, 76.5402

Monochromacy



Original Color

36.9933, 60.9679, 52.4661



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.1876, 39.7069, 41.7232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9933, 60.9679, 52.4661 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, 232, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 232, 179)  
}
```

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, 232, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 232, 179) }
```

Border

The CSS property to change the border of an element to XYZ 36.9933, 60.9679, 52.4661 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, 232, 179) }
```


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

```
.border{ border-color:rgb(0, 232, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 232, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 232, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 232, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 232,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9933, 60.9679, 52.4661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 232, 179) }
```

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

```
.background{ background-color: rgb(0, 232,  
179) }
```

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