

Converting Colors

XYZ(34.8940, 59.0102, 44.8580)

Have a look what the booklet for
XYZ(34.8940, 59.0102, 44.8580)
contains.

XYZ(34.9977, 59.2740, 44.7184)	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(34.9977, 59.2740,
44.7184)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6A4
RGB	0, 230, 164
RGB Percent	0%, 90%, 64%
CMY	0.9999, 0.0980, 0.3569
CMYK	1.00, 0.00, 0.29, 0.10
HSL	163°, 100%, 45%
HSV	163°, 100%, 90%
XYZ	34.9977, 59.2740, 44.7184
YIQ	153.7060, -115.8940, -69.2860

Conversions

Conversions Part 2

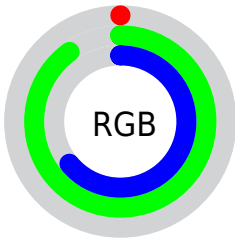
Format	Color
RYB	0, 134, 230
Decimal	59044
CIELab	81.44, -61.63, 19.34
CIELCh	81, 64.597, 162.579
Yxy	59.2740, 0.2518, 0.4265
Android (android.graphics.Color)	4278249124 (0xFF00E6A4)
YUV	153.7060, 5.0749, -134.8002
Hunter-Lab	76.9896, -53.5898, 19.4549

Details

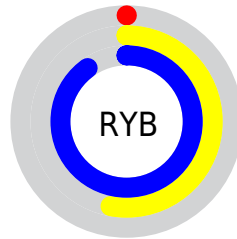
The XYZ color **34.9977, 59.2740, 44.7184** is a dark color, and the websafe version is hex **00FFCC**. The color can be described as middle washed spring green. A complement of this color would be **33.6190, 17.2180, 6.7109**, and the grayscale version is **30.6060, 32.1999, 35.0657**.

A 20% lighter version of the original color is **54.8529, 79.8857, 79.5463**, and **17.8682, 31.0570, 20.3821** is the 20% darker color. If you saturate the color by 10%, you get **34.9981, 59.2758, 44.7154**, and if you desaturate by 10%, it is **35.9648, 59.7034, 47.9584**.

Distribution



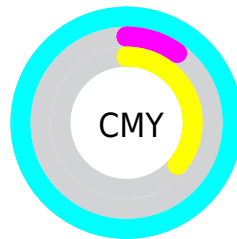
- Red (0%)
- Green (90%)
- Blue (64%)



- Red (0%)
- Yellow (53%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (10%)




- Cyan (100%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9977, 59.2740, 44.7184 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 34.9977, 59.2740, 44.7184 by changing the saturation by 10% instead.


 34.9977, 59.2740,
44.7184


 34.9977, 59.2740,
44.7184


316.0664,
421.9166, 381.7587


 23.8276, 42.8337,
30.8943


 66.8163, 103.7758,
83.6116


 15.3298, 29.7547,
20.2606


 88.1954, 132.6061,
109.5179


 9.1390, 19.6525,
12.3987


 113.7083,
166.3352, 140.2887

 4.8898, 12.1427,
6.8900

 143.7203,
205.3475, 176.3425

 2.2168, 6.8409,
3.3160

 178.5968,
250.0274, 218.0978

 0.7516, 3.3628,
1.2582

218.7030,

 0.0000, 1.3240,

300.7593, 265.9733

0.0271

264.4044,
357.9275, 320.3874

■ 0.0000, 0.1596,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.9977, 59.2740,
44.7184

■ 34.9977, 59.2740,
44.7184

■ 34.9981, 59.2758,
44.7154

■ 35.9648, 59.7034,
47.9584

■ 37.3822, 60.3598,
51.3822

■ 39.3858, 61.3147,
54.9995

■ 42.0536, 62.6082,
58.8166

■ 45.4514, 64.2744,
62.8385

■ 49.6369, 66.3427,
67.0702

■ 54.6617, 68.8399,
71.5162

■ 60.5731, 71.7902,
76.1810

■ 67.4146, 75.2161,
81.0685

Harmonies

Analogous

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



40.5169, 59.2740, 23.7771



34.9977, 59.2740, 44.7184



34.5855, 59.2740, 82.1483

Triad

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



34.9977, 59.2740, 44.7184



62.1912, 59.2740, 167.8754



77.7284, 59.2740, 26.1365

Complementary

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



34.9977, 59.2740, 44.7184



33.6190, 17.2180, 6.7109

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.



85.7073, 59.2740, 49.6457



34.9977, 59.2740, 44.7184



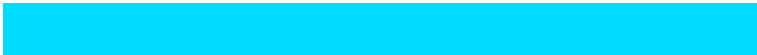
75.8199, 59.2740, 136.3417

Square

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



34.9977, 59.2740, 44.7184



48.9086, 59.2740, 164.8156



84.9577, 59.2740, 89.4916



64.4844, 59.2740, 16.3802

Rectangle

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



34.9977, 59.2740, 44.7184



37.1502, 59.2740, 113.4979



84.9577, 59.2740, 89.4916



81.2036, 59.2740, 32.1796

Sweetspot

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



34.9993, 59.2763, 44.7198



68.9494, 86.9300, 90.2694



30.7539, 57.8618, 9.5485



14.1550, 18.3065, 18.8048



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.



34.9993, 59.2763, 44.7198



44.1844, 74.8898, 56.2824



31.4263, 39.9984, 80.9298



14.6218, 16.2622, 17.5394



19.8685, 33.5795, 25.6056



1.5078, 2.4973, 2.1008

Inverse Universe

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



33.6190, 17.2180, 6.7109



42.4487, 21.7435, 8.2951



33.6125, 18.7797, 1.8542



14.5462, 14.4357, 15.8108



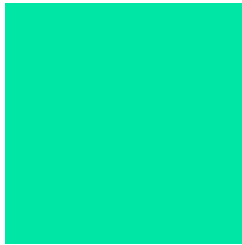
19.0777, 9.7653, 4.0379



1.4489, 0.7373, 0.5044

Previews

White Background



This preview shows how the XYZ color 34.9977, 59.2740, 44.7184 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 34.9977, 59.2740, 44.7184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

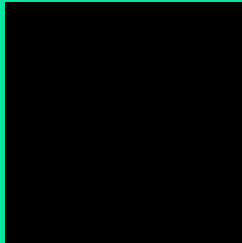
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.9977, 59.2740, 44.7184

Background



This preview shows how black text looks on a background with the XYZ color 34.9977, 59.2740, 44.7184.



This preview shows how white text looks on a background with the XYZ color 34.9977, 59.2740,

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

34.9977, 59.2740, 44.7184

Protanopia

54.1836, 57.9576, 37.1853

Deuteranopia

59.1495, 57.9415, 47.0960



Tritanopia

44.0063, 58.8959, 89.9376

Trichromacy



Original Color

34.9977, 59.2740, 44.7184



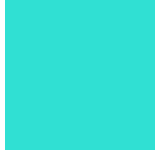
Protanomaly

39.5272, 54.2735, 39.4029



Deuteranomaly

41.0868, 53.1182, 45.6234



Tritanomaly

39.6325, 58.6428, 70.8584

Monochromacy



Original Color

34.9977, 59.2740, 44.7184



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.9365, 38.5212, 38.3107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9977, 59.2740, 44.7184 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, 230, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 164)  
}
```

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, 230, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 164) }
```

Border

The CSS property to change the border of an element to XYZ 34.9977, 59.2740, 44.7184 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, 230, 164) }
```


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

```
.border{ border-color:rgb(0, 230, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9977, 59.2740, 44.7184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 164) }
```

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

```
.background{ background-color: rgb(0, 230,  
164) }
```

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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