

Converting Colors

XYZ(28.5896, 57.9278, 37.8460)

Have a look what the booklet for
XYZ(28.5896, 57.9278, 37.8460)
contains.

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Color

**XYZ(34.7681, 60.9838,
37.9555)**

Conversions

Conversions Part 1

Format	Color
Hex	00EA94
RGB	0, 234, 148
RGB Percent	0%, 92%, 58%
CMY	0.9999, 0.0823, 0.4196
CMYK	1.00, 0.00, 0.37, 0.08
HSL	158°, 100%, 46%
HSV	158°, 100%, 92%
XYZ	34.7681, 60.9838, 37.9555
YIQ	154.2300, -111.8580, -76.3540

Conversions

Conversions Part 2

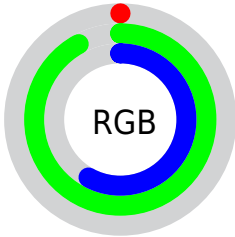
Format	Color
RYB	0, 143, 234
Decimal	60052
CIELab	82.37, -66.42, 28.85
CIELCh	82, 72.414, 156.524
Yxy	60.9838, 0.2600, 0.4561
Android (android.graphics.Color)	4278250132 (0xFF00EA94)
YUV	154.2300, -3.0714, -135.2597
Hunter-Lab	78.0921, -57.1896, 25.8475

Details

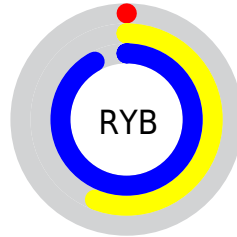
The XYZ color **34.7681, 60.9838, 37.9555** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **35.6138, 18.1658, 10.4379**, and the grayscale version is **30.8679, 32.4754, 35.3657**.

A 20% lighter version of the original color is **52.9699, 79.1468, 68.9850**, and **17.8335, 32.2888, 16.3588** is the 20% darker color. If you saturate the color by 10%, you get **34.7689, 60.9859, 37.9539**, and if you desaturate by 10%, it is **35.8390, 61.4559, 41.6942**.

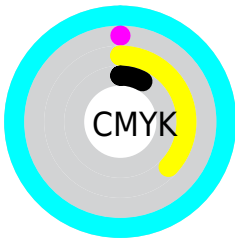
Distribution



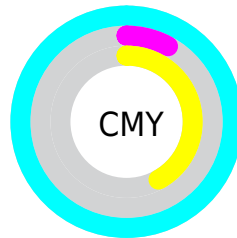
- Red (0%)
- Green (92%)
- Blue (58%)



- Red (0%)
- Yellow (56%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7681, 60.9838, 37.9555 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 34.7681, 60.9838, 37.9555 by changing the saturation by 10% instead.


 34.7681, 60.9838,
37.9555


 34.7681, 60.9838,
37.9555


315.0695,
428.2146, 352.7215


 23.6500, 44.2121,
25.6466


 66.4628, 106.2555,
73.2426


 15.1975, 30.8373,
16.3360


 87.7700, 135.5242,
97.0579


 9.0453, 20.4750,
9.6053


 113.2043,
169.7275, 125.5456

 4.8281, 12.7408,
5.0359

 143.1311,
209.2496, 159.1245

 2.1805, 7.2503,
2.2092

 177.9156,
254.4750, 198.2130

 0.7324, 3.6191,
0.6797

217.9233,

 0.0000, 1.4629,

305.7880, 243.2296

0.0000

263.5195,
363.5731, 294.5929

■ 0.0000, 0.2624,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.7681, 60.9838,
37.9555

■ 34.7681, 60.9838,
37.9555


■ 34.7689, 60.9859,
37.9539


■ 35.8390, 61.4559,
41.6942


■ 37.3981, 62.1720,
45.7241

■ 39.5867, 63.2066,
50.0585


■ 42.4868, 64.6018,
54.7063

 46.1677, 66.3932,
59.6760

 50.6899, 68.6119,
64.9753

 56.1080, 71.2859,
70.6115

 62.4716, 74.4407,
76.5916

 69.8268, 78.0999,
82.9225

Harmonies

Analogous

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



42.0242, 60.9838, 18.8217



34.7681, 60.9838, 37.9555



33.1813, 60.9838, 76.5408

Triad

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



34.7681, 60.9838, 37.9555



61.4034, 60.9838, 191.8146



85.2536, 60.9838, 27.5551

Complementary

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



34.7681, 60.9838, 37.9555



35.6138, 18.1658, 10.4379

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.



92.7580, 60.9838, 57.1987



34.7681, 60.9838, 37.9555



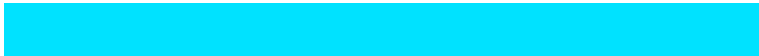
77.4954, 60.9838, 160.8817

Square

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



34.7681, 60.9838, 37.9555



46.9194, 60.9838, 178.9511



89.6924, 60.9838, 106.3720



70.6169, 60.9838, 14.9522

Rectangle

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



34.7681, 60.9838, 37.9555



35.2451, 60.9838, 112.0847



89.6924, 60.9838, 106.3720



88.8022, 60.9838, 35.2010

Sweetspot

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



34.7697, 60.9862, 37.9569



68.0839, 86.5838, 85.7118



33.6127, 61.0073, 10.0046



13.9480, 18.2237, 17.7145



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

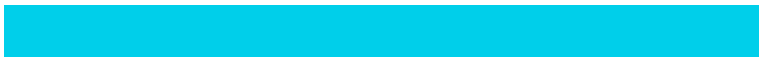
The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.7697, 60.9862, 37.9569



42.2172, 74.1029, 45.9232



37.0937, 50.4241, 85.6227



15.2692, 17.0225, 18.1003



19.6001, 34.2945, 21.6570



1.5851, 2.7114, 1.9432

Inverse Universe

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



35.6138, 18.1658, 10.4379



43.2481, 22.0632, 12.5045



34.3324, 18.2917, 1.7217



15.2943, 15.1456, 16.8353



20.0673, 10.2296, 6.1558



1.6207, 0.8213, 0.7202

Previews

White Background



This preview shows how the XYZ color 34.7681, 60.9838, 37.9555 looks on a white background.

Color Contrast Check

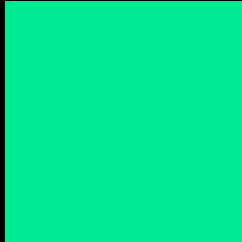
Large Text (above 18pt) WCAG AA × Fail

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 34.7681, 60.9838, 37.9555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

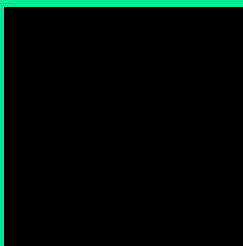
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

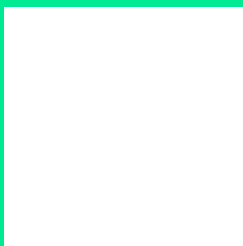
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7681, 60.9838, 37.9555

Background



This preview shows how black text looks on a background with the XYZ color 34.7681, 60.9838, 37.9555.

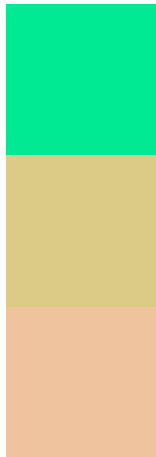


This preview shows how white text looks on a background with the XYZ color 34.7681, 60.9838,

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

34.7681, 60.9838, 37.9555

Protanopia

55.2443, 59.6768, 31.5288

Deuteranopia

60.8608, 59.6417, 40.2026



Tritanopia

45.8321, 60.9652, 92.5709

Trichromacy



Original Color

34.7681, 60.9838, 37.9555



Protanomaly

39.5954, 55.5620, 33.4486



Deuteranomaly

41.3957, 54.5133, 38.9122



Tritanomaly

40.1998, 60.2000, 68.5325

Monochromacy



Original Color

34.7681, 60.9838, 37.9555



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.6380, 38.7306, 35.7249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7681, 60.9838, 37.9555 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, 234, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 148)  
}
```

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, 234, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 148) }
```

Border

The CSS property to change the border of an element to XYZ 34.7681, 60.9838, 37.9555 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, 234, 148) }
```


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

```
.border{ border-color:rgb(0, 234, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 234, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7681, 60.9838, 37.9555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 148) }
```

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

```
.background{ background-color: rgb(0, 234,  
148) }
```

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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