

Converting Colors

XYZ(34.6152, 61.3093, 35.9582)

Have a look what the booklet for
XYZ(34.6152, 61.3093, 35.9582)
contains.

XYZ(34.6663, 61.3998, 36.0109)	3
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Color

**XYZ(34.6663, 61.3998,
36.0109)**

Conversions

Conversions Part 1

Format	Color
Hex	00EB8F
RGB	0, 235, 143
RGB Percent	0%, 92%, 56%
CMY	0.9999, 0.0784, 0.4392
CMYK	1.00, 0.00, 0.39, 0.08
HSL	157°, 100%, 46%
HSV	157°, 100%, 92%
XYZ	34.6663, 61.3998, 36.0109
YIQ	154.2470, -110.5280, -78.4320

Conversions

Conversions Part 2

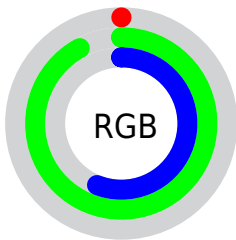
Format	Color
RYB	0, 146, 235
Decimal	60303
CIELab	82.59, -67.73, 31.68
CIELCh	83, 74.773, 154.934
Yxy	61.3998, 0.2625, 0.4649
Android (android.graphics.Color)	4278250383 (0xFF00EB8F)
YUV	154.2470, -5.5448, -135.2746
Hunter-Lab	78.3580, -58.1565, 27.6028

Details

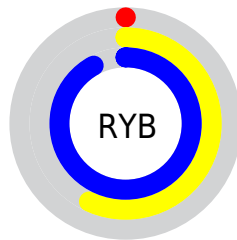
The XYZ color **34.6663, 61.3998, 36.0109** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **36.1955, 18.4366, 11.7824**, and the grayscale version is **30.8864, 32.4948, 35.3869**.

A 20% lighter version of the original color is **52.2685, 78.8662, 65.2912**, and **17.8522, 32.6135, 15.4793** is the 20% darker color. If you saturate the color by 10%, you get **34.6668, 61.4018, 36.0082**, and if you desaturate by 10%, it is **35.7592, 61.8810, 39.8529**.

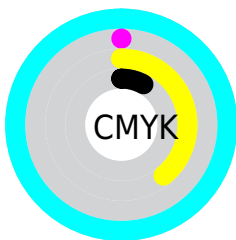
Distribution



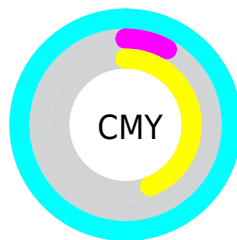
- Red (0%)
- Green (92%)
- Blue (56%)



- Red (0%)
- Yellow (57%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6663, 61.3998, 36.0109 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 34.6663, 61.3998, 36.0109 by changing the saturation by 10% instead.


 34.6663, 61.3998,
36.0109


 34.6663, 61.3998,
36.0109


314.6268,
429.7384, 344.0470


 23.5712, 44.5479,
24.1529


 66.3059, 106.8576,
70.2181


 15.1389, 31.1015,
15.2338


 87.5812, 136.2323,
93.4044


 9.0039, 20.6761,
8.8352


 112.9806,
170.5500, 121.2038

 4.8008, 12.8875,
4.5385

 142.8695,
210.1952, 154.0349

 2.1644, 7.3511,
1.9252

 177.6132,
255.5523, 192.3162

 0.7239, 3.6826,
0.5087

217.5771,

 0.0000, 1.4977,

307.0055, 236.4663

0.0000

263.1265,
364.9394, 286.9038

■ 0.0000, 0.2871,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.6663, 61.3998,
36.0109

■ 34.6663, 61.3998,
36.0109

■ 34.6668, 61.4018,
36.0082

■ 35.7592, 61.8810,
39.8529

■ 37.3518, 62.6113,
44.0223

■ 39.5866, 63.6659,
48.5339

■ 42.5470, 65.0874,
53.3978

■ 46.3030, 66.9119,
58.6238

■ 50.9161, 69.1710,
64.2207

■ 56.4415, 71.8929,
70.1970

■ 62.9297, 75.1035,
76.5610

■ 70.4273, 78.8268,
83.3202

Harmonies

Analogous

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



42.4365, 61.3998, 17.4753



34.6663, 61.3998, 36.0109



32.7340, 61.3998, 74.7330

Triad

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



34.6663, 61.3998, 36.0109



61.0486, 61.3998, 198.8940



87.4301, 61.3998, 27.9917

Complementary

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



34.6663, 61.3998, 36.0109



36.1955, 18.4366, 11.7824

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.



94.7431, 61.3998, 59.5491



34.6663, 61.3998, 36.0109



77.8354, 61.3998, 168.3944

Square

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



34.6663, 61.3998, 36.0109



46.2569, 61.3998, 182.8367



90.9454, 61.3998, 111.6271



72.4061, 61.3998, 14.5530

Rectangle

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



34.6663, 61.3998, 36.0109



34.6452, 61.3998, 111.3696



90.9454, 61.3998, 111.6271



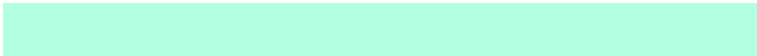
90.9855, 61.3998, 36.1322

Sweetspot

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



34.6679, 61.4023, 36.0123



67.8322, 86.4831, 84.3861



34.3274, 61.7995, 10.1200



13.8880, 18.1997, 17.3986



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.



34.6679, 61.4023, 36.0123



41.6898, 73.8919, 43.1459



38.4165, 52.8389, 86.7743



15.2534, 17.0162, 18.0170



19.3574, 34.1974, 20.3790



1.5670, 2.7041, 1.8478

Inverse Universe

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



36.1955, 18.4366, 11.7824



43.5325, 22.1770, 14.0023



34.5793, 18.2967, 1.7098



15.3097, 15.1517, 16.9160



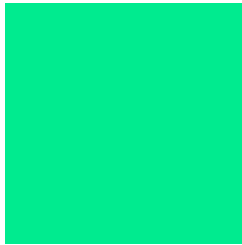
20.2015, 10.2833, 6.8623



1.6323, 0.8259, 0.7812

Previews

White Background



This preview shows how the XYZ color 34.6663, 61.3998, 36.0109 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 34.6663, 61.3998, 36.0109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

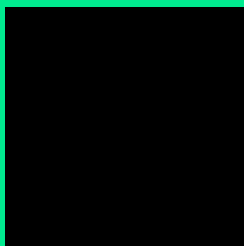
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.6663, 61.3998, 36.0109

Background



This preview shows how black text looks on a background with the XYZ color 34.6663, 61.3998, 36.0109.

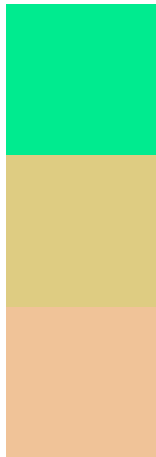


This preview shows how white text looks on a background with the XYZ color 34.6663, 61.3998,

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

34.6663, 61.3998, 36.0109

Protanopia

55.7463, 60.3270, 29.8252

Deuteranopia

61.1178, 59.8225, 38.0314



Tritanopia

46.0112, 61.0575, 92.5793

Trichromacy



Original Color

34.6663, 61.3998, 36.0109



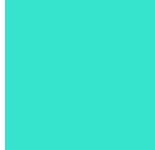
Protanomaly

39.6581, 56.0129, 31.6430



Deuteranomaly

41.6083, 55.0354, 36.8637



Tritanomaly

40.0099, 60.1302, 67.2552

Monochromacy



Original Color

34.6663, 61.3998, 36.0109



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.4755, 38.6657, 34.8693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6663, 61.3998, 36.0109 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, 235, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 143)  
}
```

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, 235, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 143) }
```

Border

The CSS property to change the border of an element to XYZ 34.6663, 61.3998, 36.0109 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, 235, 143) }
```


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

```
.border{ border-color:rgb(0, 235, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 235, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6663, 61.3998, 36.0109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 143) }
```

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

```
.background{ background-color: rgb(0, 235,  
143) }
```

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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