

# Converting Colors

XYZ(34.9418, 61.3270, 38.0261)

Have a look what the booklet for  
XYZ(34.9418, 61.3270, 38.0261)  
contains.

<b>XYZ(35.0536, 61.5548, 38.0507)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(35.0536, 61.5548,  
38.0507)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00EB94
RGB	0, 235, 148
RGB Percent	0%, 92%, 58%
CMY	0.9999, 0.0784, 0.4196
CMYK	1.00, 0.00, 0.37, 0.08
HSL	158°, 100%, 46%
HSV	158°, 100%, 92%
XYZ	35.0536, 61.5548, 38.0507
YIQ	154.8170, -112.1330, -76.8770

# Conversions

## Conversions Part 2

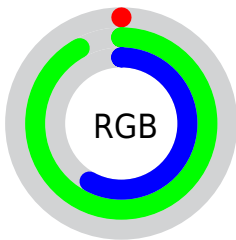
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 144, 235</a>
Decimal	<a href="#">60308</a>
CIELab	<a href="#">82.68, -66.76, 29.26</a>
CIELCh	<a href="#">83, 72.892, 156.336</a>
Yxy	<a href="#">61.5548, 0.2603, 0.4571</a>
Android (android.graphics.Color)	<a href="#">4278250388 (0xFF00EB94)</a>
YUV	<a href="#">154.8170, -3.3608, -135.7745</a>
Hunter-Lab	<a href="#">78.4569, -57.5478, 26.1648</a>

# Details

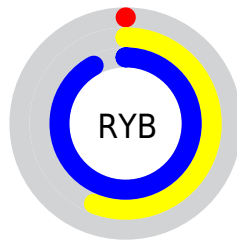
The XYZ color **35.0536, 61.5548, 38.0507** is a dark color, and the websafe version is hex **33FF99**. The color can be described as dark washed spring green. A complement of this color would be **35.9836, 18.3517, 10.6669**, and the grayscale version is **31.1280, 32.7491, 35.6638**.

A 20% lighter version of the original color is **52.9699, 79.1468, 68.9850**, and **18.0317, 32.6853, 16.4249** is the 20% darker color. If you saturate the color by 10%, you get **35.0544, 61.5569, 38.0492**, and if you desaturate by 10%, it is **36.1353, 62.0315, 41.8344**.

# Distribution



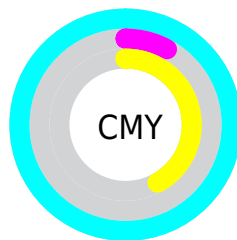
- Red (0%)
- Green (92%)
- Blue (58%)



- 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 35.0536, 61.5548, 38.0507 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 35.0536, 61.5548, 38.0507 by changing the saturation by 10% instead.





 35.0536, 61.5548,  
38.0507


 35.0536, 61.5548,  
38.0507


316.3087,  
430.3053, 353.1421


 23.8709, 44.6731,  
25.7199


 66.9023, 107.0818,  
73.3901


 15.3621, 31.2000,  
16.3903


 88.2989, 136.4959,  
97.2358


 9.1619, 20.7512,  
9.6434


 113.8309,  
170.8562, 125.7569

 4.9049, 12.9422,  
5.0607

 143.8637,  
210.5472, 159.3720

 2.2257, 7.3888,  
2.2236

 178.7624,  
255.9532, 198.4994

 0.7562, 3.7064,  
0.6879

218.8926,

 0.0000, 1.5107,

307.4586, 243.5579

0.0000

264.6196,  
365.4478, 294.9660

■ 0.0000, 0.2963,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 35.0536, 61.5548,  
38.0507

■ 35.0536, 61.5548,  
38.0507

■ 35.0544, 61.5569,  
38.0492

■ 36.1353, 62.0315,  
41.8344

■ 37.7111, 62.7551,  
45.9159

■ 39.9232, 63.8005,  
50.3087

■ 42.8547, 65.2105,  
55.0221

■ 46.5756, 67.0210,  
60.0646

■ 51.1472, 69.2634,  
65.4443

■ 56.6245, 71.9660,  
71.1686

■ 63.0578, 75.1546,  
77.2447

■ 70.4935, 78.8532,  
83.6796

# Harmonies

## Analogous

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



42.4317, 61.5548, 18.8222



35.0536, 61.5548, 38.0507



33.4128, 61.5548, 76.9860

# Triad

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



35.0536, 61.5548, 38.0507



61.8886, 61.5548, 194.2786



86.2364, 61.5548, 27.8407

# Complementary

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



35.0536, 61.5548, 38.0507



35.9836, 18.3517, 10.6669

# 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.



93.7837, 61.5548, 57.9584



35.0536, 61.5548, 38.0507



78.2000, 61.5548, 163.1261

# Square

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



35.0536, 61.5548, 38.0507



47.2440, 61.5548, 180.9392



90.6075, 61.5548, 107.8872



71.4290, 61.5548, 15.0326



# Rectangle

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



35.0536, 61.5548, 38.0507



35.4765, 61.5548, 112.9644



90.6075, 61.5548, 107.8872



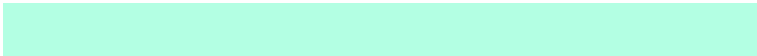
89.8165, 61.5548, 35.6091

# Sweetspot

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



35.0552, 61.5573, 38.0521



68.0555, 86.5724, 85.5623



33.9354, 61.5975, 10.1015



13.9412, 18.2210, 17.6789



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

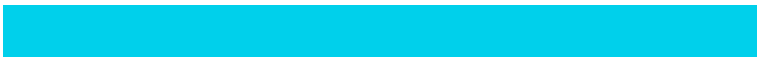
The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.0552, 61.5573, 38.0521



42.1567, 74.0787, 45.6048



37.4520, 50.9101, 86.4530



15.2674, 17.0218, 18.0910



19.5723, 34.2834, 21.5106



1.5831, 2.7105, 1.9323



# Inverse Universe

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



35.9836, 18.3517, 10.6669



43.2789, 22.0756, 12.6668



34.6643, 18.4668, 1.7380



15.2961, 15.1463, 16.8443



20.0819, 10.2354, 6.2325

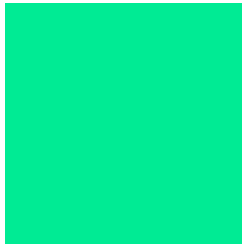


1.6220, 0.8218, 0.7269



# Previews

## White Background



This preview shows how the XYZ color 35.0536, 61.5548, 38.0507 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 35.0536, 61.5548, 38.0507 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 35.0536, 61.5548, 38.0507**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.0536, 61.5548, 38.0507.



This preview shows how white text looks on a background with the XYZ color 35.0536, 61.5548,



# 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

35.0536, 61.5548, 38.0507

### Protanopia

55.7848, 60.3072, 31.6219

### Deuteranopia

61.4223, 60.2649, 40.2933



## Tritanopia

46.3388, 61.6069, 93.4534

# Trichromacy



## Original Color

35.0536, 61.5548, 38.0507



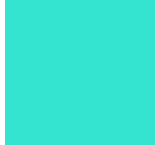
## Protanomaly

40.0186, 56.1570, 33.5411



## Deuteranomaly

41.8282, 55.1017, 39.0030



## Tritanomaly

40.5968, 60.7978, 69.2700

# Monochromacy



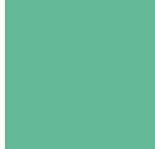
## Original Color

35.0536, 61.5548, 38.0507



## Achromatopsia

31.1553, 32.7778, 35.6950



## Achromatomaly

27.9536, 39.2006, 35.7989

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.0536, 61.5548, 38.0507 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, 148)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 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, 235, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 35.0536, 61.5548, 38.0507 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, 148) }
```



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

```
.border{ border-color:rgb(0, 235, 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, 235, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 148);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.0536, 61.5548, 38.0507 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, 148) }
```

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

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