

# Converting Colors

XYZ(34.0872, 65.1485, 11.1133)

Have a look what the booklet for  
XYZ(34.0872, 65.1485, 11.1133)  
contains.

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# Color

**XYZ(34.1036, 65.1519,  
11.1260)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EF30C
RGB	62, 243, 12
RGB Percent	24%, 95%, 5%
CMY	0.7569, 0.0470, 0.9528
CMYK	0.74, 0.00, 0.95, 0.05
HSL	107°, 91%, 50%
HSV	107°, 95%, 95%
XYZ	34.1036, 65.1519, 11.1260
YIQ	162.5470, -33.7250, -110.2130

# Conversions

## Conversions Part 2

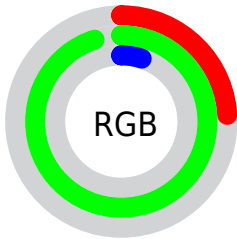
Format	Color
<a href="#">RYB</a>	<a href="#">12, 243, 193</a>
Decimal	<a href="#">4125452</a>
CIELab	<a href="#">84.56, -78.16, 79.88</a>
CIElCh	<a href="#">85, 111.758, 134.377</a>
Yxy	<a href="#">65.1519, 0.3090, 0.5902</a>
Android (android.graphics.Color)	<a href="#">4282315532 (0xFF3EF30C)</a>
YUV	<a href="#">162.5470, -74.2197, -88.1797</a>
Hunter-Lab	<a href="#">80.7167, -65.8363, 48.3292</a>

# Details

The XYZ color **34.1036, 65.1519, 11.1260** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark saturated green. A complement of this color would be **38.3120, 18.0774, 86.2676**, and the grayscale version is **34.9523, 36.7726, 40.0453**.

A 20% lighter version of the original color is **48.2170, 77.7136, 22.8148**, and **17.3490, 34.6979, 5.7830** is the 20% darker color. If you saturate the color by 10%, you get **33.4976, 64.8492, 10.7516**, and if you desaturate by 10%, it is **35.7726, 65.9845, 12.5468**.

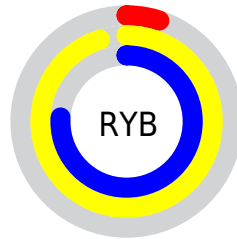
# Distribution



Red (24%)

Green (95%)

Blue (5%)



Red (5%)

Yellow (95%)

Blue (76%)

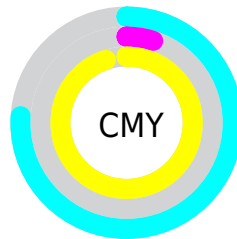


Cyan (74%)

Magenta (0%)

Yellow (95%)

Black (5%)



Cyan (76%)

Magenta (5%)


Yellow (95%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1036, 65.1519, 11.1260 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 34.1036, 65.1519, 11.1260 by changing the saturation by 10% instead.





 34.1036, 65.1519,  
11.1260


 34.1036, 65.1519,  
11.1260


312.1715,  
443.3376, 209.2983


 23.1365, 47.5843,  
6.0364


 65.4380, 112.2682,  
28.5331


 14.8156, 33.4978,  
2.7981


 86.5359, 142.5857,  
41.6878


 8.7755, 22.5080,  
0.9925


 111.7415,  
177.9219, 58.3678

 4.6510, 14.2307,  
0.0000

 141.4201,  
218.6612, 78.9918

 2.0766, 8.2813,  
0.0000

 175.9370,  
265.1880, 103.9783

 0.6764, 4.2755,  
0.0000

 215.6577,

 0.0000, 1.8288,

317.8868, 133.7459

0.0000

260.9474,  
377.1419, 168.7130

■ 0.0000, 0.5050,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.1036, 65.1519,  
11.1260

■ 34.1036, 65.1519,  
11.1260

■ 33.4976, 64.8492,  
10.7516

■ 35.7726, 65.9845,  
12.5468

■ 38.1496, 67.1511,  
15.3141

■ 41.3147, 68.6899,  
19.6616

■ 45.3349, 70.6312,  
25.7781

■ 50.2697, 73.0021,  
33.8259

■ 56.1728, 75.8273,  
43.9491

■ 63.0938, 79.1295,  
56.2778

■ 71.0787, 82.9298,  
70.9317

■ 80.1706, 87.2480,  
88.0217

# Harmonies

## Analogous

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



50.7772, 65.1519, 3.7592



34.1036, 65.1519, 11.1260



26.3022, 65.1519, 40.0376

# Triad

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



34.1036, 65.1519, 11.1260



49.9002, 65.1519, 302.0253



120.8764, 65.1519, 42.0395

# Complementary

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



34.1036, 65.1519, 11.1260



38.3120, 18.0774, 86.2676

# 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.



120.4555, 65.1519, 114.6674



34.1036, 65.1519, 11.1260



74.5954, 65.1519, 304.0595

# Square

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



34.1036, 65.1519, 11.1260



33.6108, 65.1519, 216.6244



101.8272, 65.1519, 221.0980



102.8575, 65.1519, 11.7513



# Rectangle

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



34.1036, 65.1519, 11.1260



25.3919, 65.1519, 81.9308



101.8272, 65.1519, 221.0980



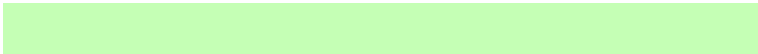
123.0135, 65.1519, 60.9777

# Sweetspot

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



34.1051, 65.1546, 11.1275



67.1441, 86.7350, 56.9456



56.0915, 57.2046, 8.4341



13.6773, 18.2335, 10.9569



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.



34.1051, 65.1546, 11.1275



37.3446, 72.3369, 11.9942



33.5604, 64.7248, 17.8337



16.6173, 18.6448, 17.5205



18.4762, 35.6376, 5.9050



1.7075, 3.1753, 0.5229



# Inverse Universe

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



38.3120, 18.0774, 86.2676



41.8252, 19.4766, 96.1627



45.0876, 22.5160, 43.8592



16.8423, 16.5769, 20.8545



20.7115, 9.6515, 47.3093

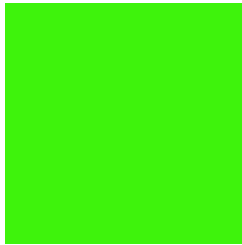


1.9054, 0.8921, 4.1620



# Previews

## White Background



This preview shows how the XYZ color 34.1036, 65.1519, 11.1260 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

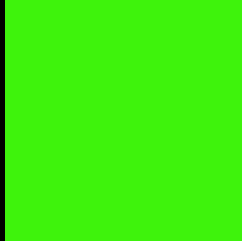
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.1036, 65.1519, 11.1260 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

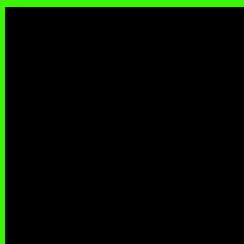
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.1036, 65.1519, 11.1260**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.1036, 65.1519, 11.1260.



This preview shows how white text looks on a background with the XYZ color 34.1036, 65.1519,



# 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

34.1036, 65.1519, 11.1260

### Protanopia

57.6387, 63.9261, 9.3011

### Deuteranopia

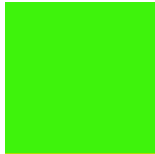
64.2432, 63.5081, 21.1842



## Tritanopia

50.7279, 64.6374, 95.3906

# Trichromacy



## Original Color

34.1036, 65.1519, 11.1260



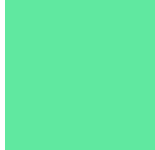
## Protanomaly

43.3768, 61.1356, 9.6290



## Deuteranomaly

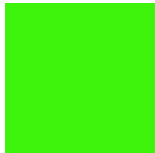
45.6376, 59.8557, 14.7782



## Tritanomaly

40.0256, 62.7381, 43.2578

# Monochromacy



## Original Color

34.1036, 65.1519, 11.1260



## Achromatopsia

34.8123, 36.6253, 39.8849



## Achromatomaly

30.1606, 43.2176, 20.9396

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1036, 65.1519, 11.1260 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(62, 243, 12)` looks like.

```
.text, #text, p{  
    color:rgb(62, 243, 12)  
}
```

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(62, 243, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 243, 12) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1036, 65.1519, 11.1260 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(62, 243, 12) }
```



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

```
.border{ border-color:rgb(62, 243, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 243, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 243, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 243, 12);  
box-shadow:4px 4px 4px 4px rgb(62, 243,  
12) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1036, 65.1519, 11.1260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 243, 12) }
```

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

```
.background{ background-color: rgb(62, 243,  
12) }
```

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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