

# Converting Colors

XYZ(34.3621, 61.8637, 10.1298)

Have a look what the booklet for  
XYZ(34.3621, 61.8637, 10.1298)  
contains.

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# Color

**XYZ(34.3244, 61.7963,  
10.1188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EEB00
RGB	94, 235, 0
RGB Percent	37%, 92%, 0%
CMY	0.6314, 0.0784, 0.9999
CMYK	0.60, 0.00, 1.00, 0.08
HSL	96°, 100%, 46%
HSV	96°, 100%, 92%
XYZ	34.3244, 61.7963, 10.1188
YIQ	166.0510, -8.6010, -102.9770

# Conversions

## Conversions Part 2

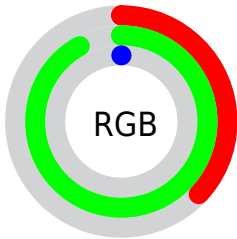
Format	Color
<a href="#">RYB</a>	0, 235, 141
Decimal	6220544
CIELab	82.80, -69.82, 79.76
CIELCh	83, 106.005, 131.198
Yxy	61.7963, 0.3231, 0.5817
Android (android.graphics.Color)	4284410624 (0xFF5EEB00)
YUV	166.0510, -81.8631, -63.1887
Hunter-Lab	78.6106, -59.6287, 47.3956

# Details

The XYZ color **34.3244, 61.7963, 10.1188** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **25.9873, 11.6651, 79.4825**, and the grayscale version is **36.6601, 38.5693, 42.0019**.

A 20% lighter version of the original color is **51.8612, 79.6122, 22.0845**, and **15.9204, 31.8408, 5.3068** is the 20% darker color. If you saturate the color by 10%, you get **34.3236, 61.7978, 10.1191**, and if you desaturate by 10%, it is **36.0664, 62.6778, 11.0360**.

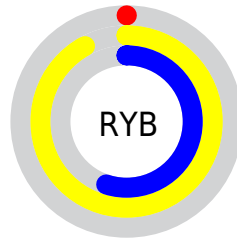
# Distribution



Red (37%)

Green (92%)

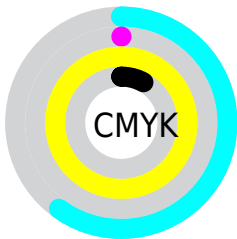
Blue (0%)



Red (0%)

Yellow (92%)

Blue (55%)

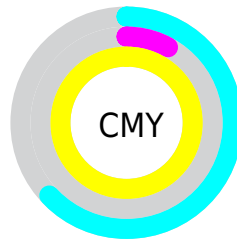


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (63%)

Magenta (8%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.3244, 61.7963, 10.1188 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 34.3244, 61.7963, 10.1188 by changing the saturation by 10% instead.





 34.3244, 61.7963,  
10.1188


 34.3244, 61.7963,  
10.1188


313.1366,  
431.1877, 202.0334


 23.3070, 44.8681,  
5.3712


 65.7788, 107.4311,  
26.6300


 14.9423, 31.3536,  
2.4041


 86.9464, 136.9065,  
39.2307

 8.8649, 20.8682,  
0.7887


 112.2282,  
171.3330, 55.2861

 4.7096, 13.0277,  
0.0000

 141.9895,  
211.0952, 75.2148

 2.1109, 7.4476,  
0.0000

 176.5956,  
256.5774, 99.4353

 0.6951, 3.7436,  
0.0000

 216.4120,

 0.0000, 1.5312,

308.1639, 128.3663

0.0000

261.8039,  
366.2392, 162.4261

■ 0.0000, 0.3105,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 34.3244, 61.7963,  
10.1188

■ 34.3244, 61.7963,  
10.1188

■ 34.3236, 61.7978,  
10.1191

■ 36.0664, 62.6778,  
11.0360

■ 38.2784, 63.7772,  
12.9856

■ 41.0353, 65.1281,  
16.2913

■ 44.3847, 66.7509,  
21.1427

■ 48.3677, 68.6632,  
27.6991

■ 53.0213, 70.8811,  
36.1000

■ 58.3791, 73.4192,  
46.4706

■ 64.4722, 76.2910,  
58.9251

■ 71.3298, 79.5092,  
73.5687

# Harmonies

## Analogous

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



50.6230, 61.7963, 3.9784



34.3244, 61.7963, 10.1188



26.2313, 61.7963, 34.3788

# Triad

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



34.3244, 61.7963, 10.1188



45.7036, 61.7963, 269.9887



113.1196, 61.7963, 45.7210

# Complementary

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



34.3244, 61.7963, 10.1188



25.9873, 11.6651, 79.4825

# 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.



110.8054, 61.7963, 116.4306



34.3244, 61.7963, 10.1188



67.6715, 61.7963, 281.0218

# Square

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



34.3244, 61.7963, 10.1188



31.5293, 61.7963, 188.5630



92.6190, 61.7963, 212.9571



98.3031, 61.7963, 13.8284



# Rectangle

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



34.3244, 61.7963, 10.1188



24.8930, 61.7963, 69.9467



92.6190, 61.7963, 212.9571



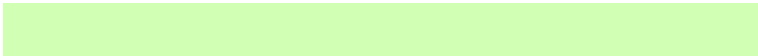
114.4022, 61.7963, 64.6930

# Sweetspot

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



34.3258, 61.7989, 10.1202



70.1670, 88.3233, 55.7331



43.7898, 36.7174, 4.7801



14.4126, 18.6181, 10.7371



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.



34.3258, 61.7989, 10.1202



41.2368, 74.3434, 12.1763



29.8700, 59.4834, 10.7459



15.4384, 17.1560, 16.0165



19.2367, 34.4614, 5.6378



1.6164, 2.7606, 0.4477



# Inverse Universe

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



25.9873, 11.6651, 79.4825



31.1913, 13.9946, 95.6650



46.0843, 22.3923, 63.8552



15.0983, 14.9959, 19.0210



14.6089, 6.5671, 44.2406

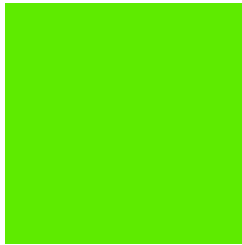


1.2552, 0.5714, 3.4790



# Previews

## White Background



This preview shows how the XYZ color 34.3244, 61.7963, 10.1188 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

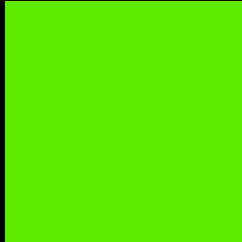
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.3244, 61.7963, 10.1188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

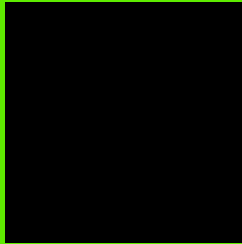
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 34.3244, 61.7963, 10.1188**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.3244, 61.7963, 10.1188.



This preview shows how white text looks on a background with the XYZ color 34.3244, 61.7963,



# 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

34.3244, 61.7963, 10.1188

### Protanopia

54.7863, 60.6516, 8.8194

### Deuteranopia

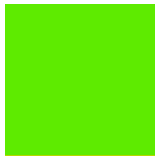
61.5752, 60.2609, 13.8550



## Tritanopia

49.7274, 61.1045, 88.5303

# Trichromacy



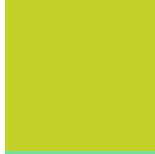
## Original Color

34.3244, 61.7963, 10.1188



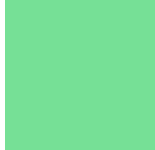
## Protanomaly

43.6119, 58.9355, 9.0771



## Deuteranomaly

46.0015, 57.5111, 10.9617



## Tritanomaly

39.6319, 59.3649, 38.2239

# Monochromacy



## Original Color

34.3244, 61.7963, 10.1188



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

32.0475, 43.8777, 20.4158

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.3244, 61.7963, 10.1188 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(94, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(94, 235, 0)  
}
```

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(94, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 235, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 34.3244, 61.7963, 10.1188 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(94, 235, 0) }
```



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

```
.border{ border-color:rgb(94, 235, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 235, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(94, 235, 0)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 34.3244, 61.7963, 10.1188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 235, 0) }
```

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

```
.background{ background-color: rgb(94, 235,  
0) }
```

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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