

Converting Colors

XYZ(33.3554, 60.4515, 9.9103)

Have a look what the booklet for
XYZ(33.3554, 60.4515, 9.9103)
contains.

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Color

**XYZ(33.3554, 60.4515,
9.9103)**

Conversions

Conversions Part 1

Format	Color
Hex	5AE900
RGB	90, 233, 0
RGB Percent	35%, 91%, 0%
CMY	0.6471, 0.0863, 0.9999
CMYK	0.61, 0.00, 1.00, 0.09
HSL	97°, 100%, 46%
HSV	97°, 100%, 91%
XYZ	33.3554, 60.4515, 9.9103
YIQ	163.6810, -10.4350, -102.7790

Conversions

Conversions Part 2

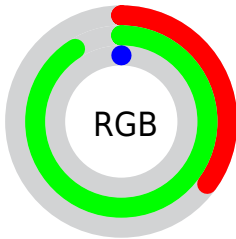
Format	Color
RYB	0, 233, 143
Decimal	5957888
CIELab	82.08, -70.09, 79.14
CIELCh	82, 105.720, 131.529
Yxy	60.4515, 0.3216, 0.5828
Android (android.graphics.Color)	4284147968 (0xFF5AE900)
YUV	163.6810, -80.6947, -64.6182
Hunter-Lab	77.7506, -59.4860, 46.8681

Details

The XYZ color **33.3554, 60.4515, 9.9103** 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 **26.0430, 11.7270, 77.9850**, and the grayscale version is **35.5131, 37.3625, 40.6878**.

A 20% lighter version of the original color is **51.2318, 79.2925, 21.8373**, and **15.5253, 31.0507, 5.1751** is the 20% darker color. If you saturate the color by 10%, you get **33.3547, 60.4530, 9.9106**, and if you desaturate by 10%, it is **35.0423, 61.3047, 10.8143**.

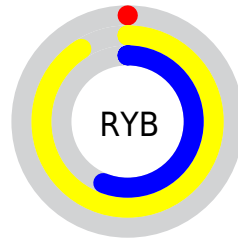
Distribution



Red (35%)

Green (91%)

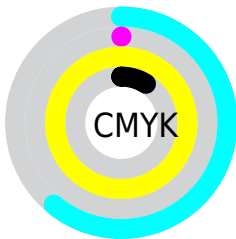
Blue (0%)



Red (0%)

Yellow (91%)

Blue (56%)

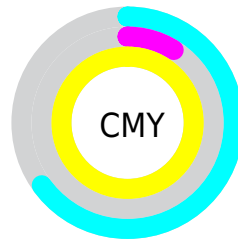


Cyan (61%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (65%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3554, 60.4515, 9.9103 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 33.3554, 60.4515, 9.9103 by changing the saturation by 10% instead.


 33.3554, 60.4515,
9.9103


 33.3554, 60.4515,
9.9103


308.8849,
426.2600, 200.4922


 22.5594, 43.7827,
5.2347


 64.2810, 105.4843,
26.2318

 14.3874, 30.4997,
2.3245


 85.1412, 134.6171,
38.7148

 8.4741, 20.2182,
0.7449


 110.0870,
168.6734, 54.6374

 4.4541, 12.5537,
0.0000

 139.4835,
208.0375, 74.4180

 1.9621, 7.1220,
0.0000

 173.6962,
253.0938, 98.4752

 0.6126, 3.5385,
0.0000

 213.0904,

 0.0000, 1.4189,

304.2267, 127.2277

0.0000

258.0315,
361.8206, 161.0938

■ 0.0000, 0.2306,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.3554, 60.4515,
9.9103

■ 33.3554, 60.4515,
9.9103

■ 33.3547, 60.4530,
9.9106

■ 35.0423, 61.3047,
10.8143

■ 37.1995, 62.3767,
12.7300

■ 39.9018, 63.7007,
15.9758

■ 43.1966, 65.2972,
20.7373

■ 47.1251, 67.1841,
27.1705

■ 51.7242, 69.3774,
35.4122

■ 57.0276, 71.8917,
45.5847

■ 63.0664, 74.7408,
57.8001

■ 69.8699, 77.9373,
72.1614

Harmonies

Analogous

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



49.2656, 60.4515, 3.8285



33.3554, 60.4515, 9.9103



25.5039, 60.4515, 33.9459

Triad

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



33.3554, 60.4515, 9.9103



44.8545, 60.4515, 266.0597



110.8851, 60.4515, 44.1027

Complementary

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



33.3554, 60.4515, 9.9103



26.0430, 11.7270, 77.9850

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.



108.8045, 60.4515, 113.1896



33.3554, 60.4515, 9.9103



66.5103, 60.4515, 275.9971

Square

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



33.3554, 60.4515, 9.9103



30.8527, 60.4515, 186.2778



91.0354, 60.4515, 208.2336



96.1435, 60.4515, 13.2125

Rectangle

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



33.3554, 60.4515, 9.9103



24.2422, 60.4515, 69.1713



91.0354, 60.4515, 208.2336



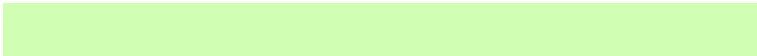
112.2148, 60.4515, 62.5815

Sweetspot

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



33.3568, 60.4541, 9.9116



69.8705, 88.1705, 55.7192



42.9570, 36.0267, 4.6907



14.3431, 18.5824, 10.7339



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.



33.3568, 60.4541, 9.9116



40.8484, 74.1431, 12.1581



29.2985, 58.3437, 10.5453



15.4183, 17.1457, 16.0155



19.0538, 34.3671, 5.6293



1.6008, 2.7526, 0.4469

Inverse Universe

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



26.0430, 11.7270, 77.9850



31.8622, 14.3405, 95.6964



45.2025, 21.9636, 62.6387



15.1189, 15.0066, 19.0220



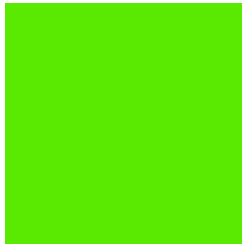
14.9179, 6.7264, 44.2550



1.2784, 0.5833, 3.4801

Previews

White Background



This preview shows how the XYZ color 33.3554, 60.4515, 9.9103 looks on a white background.

Color Contrast Check

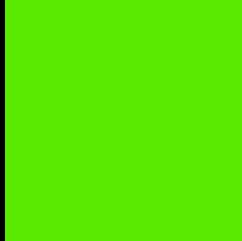
Large Text (above 18pt) WCAG AA × Fail

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 33.3554, 60.4515, 9.9103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

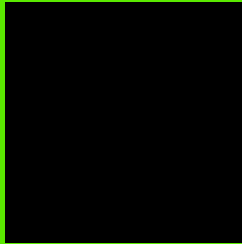
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3554, 60.4515, 9.9103

Background



This preview shows how black text looks on a background with the XYZ color 33.3554, 60.4515, 9.9103.



This preview shows how white text looks on a background with the XYZ color 33.3554, 60.4515,

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

33.3554, 60.4515, 9.9103

Protanopia

53.3508, 59.2059, 8.6160

Deuteranopia

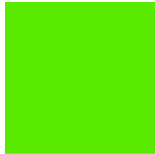
60.6440, 59.1810, 11.1325



Tritanopia

48.7174, 60.2333, 86.9004

Trichromacy



Original Color

33.3554, 60.4515, 9.9103



Protanomaly

42.4067, 57.5581, 8.8748



Deuteranomaly

45.0658, 56.3267, 9.7932



Tritanomaly

38.8827, 58.5901, 37.6935

Monochromacy



Original Color

33.3554, 60.4515, 9.9103



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.0128, 42.7130, 19.7066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3554, 60.4515, 9.9103 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(90, 233, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 233, 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(90, 233, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 233, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.3554, 60.4515, 9.9103 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(90, 233, 0) }
```


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

```
.border{ border-color:rgb(90, 233, 0) }
```

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

Here you see how a box with a 4 pixel rgb(90, 233, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 233, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 233, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 233, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.3554, 60.4515, 9.9103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 233, 0) }
```

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

```
.background{ background-color: rgb(90, 233,  
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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