

Converting Colors

XYZ(33.3942, 60.2982, 9.8749)

Have a look what the booklet for
XYZ(33.3942, 60.2982, 9.8749)
contains.

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Color

**XYZ(33.5525, 60.5531,
9.9195)**

Conversions

Conversions Part 1

Format	Color
Hex	5CE900
RGB	92, 233, 0
RGB Percent	36%, 91%, 0%
CMY	0.6392, 0.0863, 0.9999
CMYK	0.61, 0.00, 1.00, 0.09
HSL	96°, 100%, 46%
HSV	96°, 100%, 91%
XYZ	33.5525, 60.5531, 9.9195
YIQ	164.2790, -9.2430, -102.3550

Conversions

Conversions Part 2

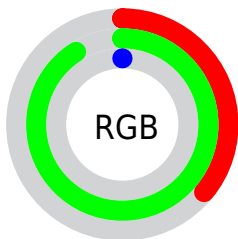
Format	Color
RYB	0, 233, 141
Decimal	6088960
CIELab	82.14, -69.64, 79.21
CIELCh	82, 105.468, 131.320
Yxy	60.5531, 0.3225, 0.5821
Android (android.graphics.Color)	4284279040 (0xFF5CE900)
YUV	164.2790, -80.9895, -63.3887
Hunter-Lab	77.8159, -59.2125, 46.9132

Details

The XYZ color **33.5525, 60.5531, 9.9195** 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 **25.6997, 11.5500, 77.9690**, and the grayscale version is **35.8001, 37.6645, 41.0166**.

A 20% lighter version of the original color is **51.4261, 79.3927, 21.8464**, and **15.5253, 31.0507, 5.1751** is the 20% darker color. If you saturate the color by 10%, you get **33.5518, 60.5546, 9.9198**, and if you desaturate by 10%, it is **35.2541, 61.4139, 10.8242**.

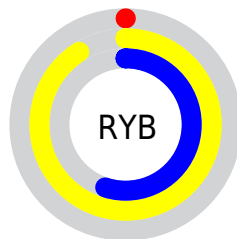
Distribution



Red (36%)

Green (91%)

Blue (0%)



Red (0%)

Yellow (91%)

Blue (55%)

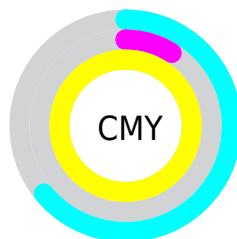


Cyan (61%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (64%)

Magenta (9%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5525, 60.5531, 9.9195 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 33.5525, 60.5531, 9.9195 by changing the saturation by 10% instead.

33.5525, 60.5531,
9.9195

33.5525, 60.5531,
9.9195

309.7532,
426.6335, 200.5605

22.7113, 43.8646,
5.2407

64.5861, 105.6316,
26.2494

14.5000, 30.5641,
2.3280

85.5092, 134.7904,
38.7376

8.5532, 20.2671,
0.7468

110.5236,
168.8747, 54.6661

4.5057, 12.5894,
0.0000

139.9947,
208.2690, 74.4533

1.9920, 7.1464,
0.0000

174.2879,
253.3576, 98.5178

0.6295, 3.5538,
0.0000

213.7684,

0.0000, 1.4273,

304.5250, 127.2781

0.0000

258.8017,
362.1555, 161.1528

■ 0.0000, 0.2367,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 33.5525, 60.5531,
9.9195

■ 33.5525, 60.5531,
9.9195

■ 33.5518, 60.5546,
9.9198

■ 35.2541, 61.4139,
10.8242

■ 37.4199, 62.4903,
12.7402

■ 40.1240, 63.8152,
15.9860

■ 43.4131, 65.4089,
20.7472

■ 47.3281, 67.2888,
27.1798

■ 51.9052, 69.4707,
35.4203

■ 57.1776, 71.9691,
45.5914

■ 63.1762, 74.7974,
57.8048

■ 69.9297, 77.9681,
72.1637

Harmonies

Analogous

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



49.5109, 60.5531, 3.8751



33.5525, 60.5531, 9.9195



25.6462, 60.5531, 33.8023

Triad

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



33.5525, 60.5531, 9.9195



44.8374, 60.5531, 265.2684



110.9270, 60.5531, 44.5724

Complementary

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



33.5525, 60.5531, 9.9195



25.6997, 11.5500, 77.9690

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.



108.7264, 60.5531, 113.8292



33.5525, 60.5531, 9.9195



66.4240, 60.5531, 275.7673

Square

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



33.5525, 60.5531, 9.9195



30.8984, 60.5531, 185.4336



90.9136, 60.5531, 208.6404



96.3180, 60.5531, 13.4344

Rectangle

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



33.5525, 60.5531, 9.9195



24.3522, 60.5531, 68.8121



90.9136, 60.5531, 208.6404



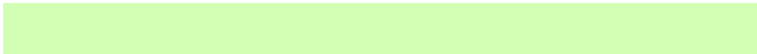
112.2112, 60.5531, 63.1334

Sweetspot

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



33.5539, 60.5557, 9.9208



70.0556, 88.2659, 55.7279



42.9570, 36.0267, 4.6907



14.3865, 18.6047, 10.7359



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.



33.5539, 60.5557, 9.9208



41.0892, 74.2673, 12.1694



29.2985, 58.3437, 10.5453



15.4309, 17.1522, 16.0161



19.1672, 34.4256, 5.6346



1.6105, 2.7576, 0.4474

Inverse Universe

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



25.6997, 11.5500, 77.9690



31.4406, 14.1231, 95.6767



45.2024, 21.9636, 62.6386



15.1060, 14.9999, 19.0214



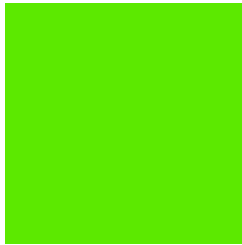
14.7238, 6.6263, 44.2459



1.2638, 0.5758, 3.4794

Previews

White Background



This preview shows how the XYZ color 33.5525, 60.5531, 9.9195 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 33.5525, 60.5531, 9.9195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

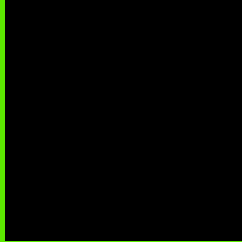
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5525, 60.5531, 9.9195

Background



This preview shows how black text looks on a background with the XYZ color 33.5525, 60.5531, 9.9195.



This preview shows how white text looks on a background with the XYZ color 33.5525, 60.5531,

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

33.5525, 60.5531, 9.9195

Protanopia

53.6690, 59.3699, 8.6309

Deuteranopia

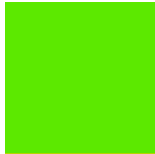
60.6440, 59.1810, 11.1325



Tritanopia

48.8701, 60.3120, 86.9076

Trichromacy



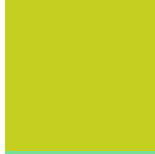
Original Color

33.5525, 60.5531, 9.9195



Protanomaly

42.6370, 57.6768, 8.8855



Deuteranomaly

45.3251, 56.4603, 9.8054



Tritanomaly

39.0150, 58.6583, 37.6996

Monochromacy



Original Color

33.5525, 60.5531, 9.9195



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.1775, 42.7979, 19.7143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5525, 60.5531, 9.9195 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(92, 233, 0)` looks like.

```
.text, #text, p{  
    color:rgb(92, 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(92, 233, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 233, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.5525, 60.5531, 9.9195 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(92, 233, 0) }
```


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

```
.border{ border-color:rgb(92, 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(92, 233, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 233, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 233, 0);  
box-shadow:4px 4px 4px 4px rgb(92, 233, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.5525, 60.5531, 9.9195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 233, 0) }
```

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

```
.background{ background-color: rgb(92, 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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