

Converting Colors

XYZ(19.3567, 33.7602, 5.4962)

Have a look what the booklet for
XYZ(19.3567, 33.7602, 5.4962)
contains.

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Color

**XYZ(19.4284, 33.9457,
5.5282)**

Conversions

Conversions Part 1

Format	Color
Hex	50B300
RGB	80, 179, 0
RGB Percent	31%, 70%, 0%
CMY	0.6863, 0.2980, 0.9999
CMYK	0.55, 0.00, 1.00, 0.30
HSL	93°, 100%, 35%
HSV	93°, 100%, 70%
XYZ	19.4284, 33.9457, 5.5282
YIQ	128.9930, -1.5450, -76.6570

Conversions

Conversions Part 2

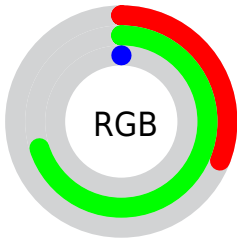
Format	Color
RYB	0, 179, 99
Decimal	5288704
CIELab	64.92, -54.26, 65.46
CIELCh	65, 85.021, 129.654
Yxy	33.9457, 0.3298, 0.5763
Android (android.graphics.Color)	4283478784 (0xFF50B300)
YUV	128.9930, -63.5935, -42.9669
Hunter-Lab	58.2629, -42.4374, 35.1584

Details

The XYZ color **19.4284, 33.9457, 5.5282** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **13.2852, 5.9091, 43.0901**, and the grayscale version is **21.0816, 22.1795, 24.1535**.

A 20% lighter version of the original color is **42.1152, 66.0882, 17.3741**, and **7.3336, 14.6672, 2.4445** is the 20% darker color. If you saturate the color by 10%, you get **19.4282, 33.9467, 5.5284**, and if you desaturate by 10%, it is **20.4362, 34.4538, 6.1419**.

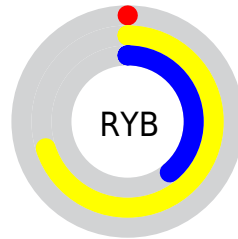
Distribution



Red (31%)

Green (70%)

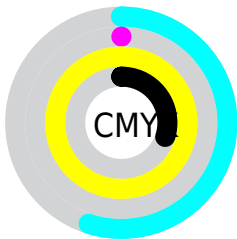
Blue (0%)



Red (0%)

Yellow (70%)

Blue (39%)

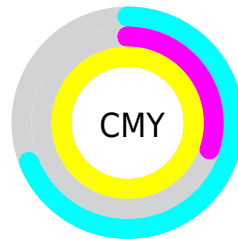


Cyan (55%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (69%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4284, 33.9457, 5.5282 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 19.4284, 33.9457, 5.5282 by changing the saturation by 10% instead.


 19.4284, 33.9457,
5.5282


 19.4284, 33.9457,
5.5282


241.6966,
319.8899, 163.9404


 12.0861, 22.8519,
2.4963


 41.9680, 65.8492,
17.4039

 6.8749, 14.4842,
0.8382


 57.8961, 87.4277,
27.0848

 3.4296, 8.4582,
0.0000


 77.4167, 113.2699,
39.8191

 1.3848, 4.3895,
0.0000

 100.8954,
143.7602, 56.0253

 0.2454, 1.8937,
0.0000

 128.6973,
179.2829, 76.1220

 0.0000, 0.5446,
0.0000

 161.1879,

 0.0000, 0.0000,

220.2225, 100.5277

0.0000

198.7326,
266.9633, 129.6610

■ 19.4284, 33.9457,
5.5282

■ 19.4284, 33.9457,
5.5282

■ 19.4282, 33.9467,
5.5284

■ 20.4362, 34.4538,
6.1419

■ 21.6702, 35.0660,
7.2809

■ 23.1737, 35.8014,
9.1445

■ 24.9692, 36.6695,
11.8279

■ 27.0763, 37.6786,
15.4117

■ 29.5126, 38.8362,
19.9668

■ 32.2940, 40.1492,
25.5571

■ 35.4354, 41.6240,
32.2410

■ 38.9508, 43.2666,
40.0726

Harmonies

Analogous

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



28.4672, 33.9457, 2.3519



19.4284, 33.9457, 5.5282



14.8131, 33.9457, 18.0935

Triad

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



19.4284, 33.9457, 5.5282



24.7366, 33.9457, 143.4123



61.5617, 33.9457, 26.7479

Complementary

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



19.4284, 33.9457, 5.5282



13.2852, 5.9091, 43.0901

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.



59.8278, 33.9457, 65.7843



19.4284, 33.9457, 5.5282



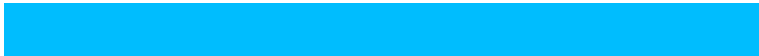
36.3851, 33.9457, 151.6104

Square

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



19.4284, 33.9457, 5.5282



17.2948, 33.9457, 99.0254



49.7846, 33.9457, 117.2117



54.0522, 33.9457, 8.4354

Rectangle

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



19.4284, 33.9457, 5.5282



13.9544, 33.9457, 36.5547



49.7846, 33.9457, 117.2117



62.0765, 33.9457, 37.3705

Sweetspot

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



19.4292, 33.9471, 5.5289



57.5621, 71.7745, 45.2055



23.0022, 18.4059, 2.3409



12.2789, 15.6782, 9.0486



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.4292, 33.9471, 5.5289



34.5442, 60.6662, 9.8891



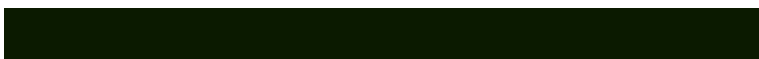
16.1702, 32.2614, 5.6323



8.7375, 9.6697, 9.0585



13.8010, 24.0248, 3.9099



0.5017, 0.7907, 0.1262

Inverse Universe

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



13.2852, 5.9091, 43.0901



23.5283, 10.4458, 77.1573



25.8523, 12.4889, 39.1052



8.4763, 8.4541, 10.6914



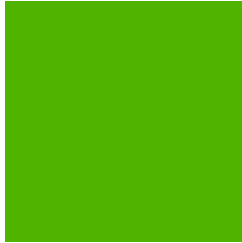
9.4626, 4.2139, 30.4516



0.3636, 0.1666, 0.9612

Previews

White Background



This preview shows how the XYZ color 19.4284, 33.9457, 5.5282 looks on a white background.

Color Contrast Check

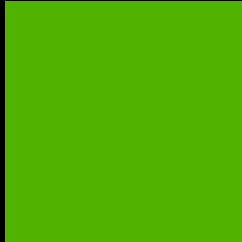
Large Text (above 18pt) WCAG AA × Fail

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 19.4284, 33.9457, 5.5282 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 19.4284, 33.9457, 5.5282

Background



This preview shows how black text looks on a background with the XYZ color 19.4284, 33.9457, 5.5282.



This preview shows how white text looks on a background with the XYZ color 19.4284, 33.9457,

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

19.4284, 33.9457, 5.5282

Protanopia

30.1884, 33.4611, 4.8675

Deuteranopia

33.9498, 33.1837, 6.3660



Tritanopia

27.8183, 33.6319, 48.2054

Trichromacy



Original Color

19.4284, 33.9457, 5.5282



Protanomaly

24.6105, 32.6611, 5.0071



Deuteranomaly

25.8894, 31.7322, 5.6246



Tritanomaly

22.5872, 32.9050, 21.3805

Monochromacy



Original Color

19.4284, 33.9457, 5.5282



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.5123, 24.8561, 11.8047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4284, 33.9457, 5.5282 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(80, 179, 0)` looks like.

```
.text, #text, p{  
    color:rgb(80, 179, 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(80, 179, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 179, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.4284, 33.9457, 5.5282 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(80, 179, 0) }
```


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

```
.border{ border-color:rgb(80, 179, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 179, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 179, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 179, 0);  
box-shadow:4px 4px 4px 4px rgb(80, 179, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.4284, 33.9457, 5.5282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 179, 0) }
```

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

```
.background{ background-color: rgb(80, 179,  
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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