

Converting Colors

XYZ(61.3151, 84.2422, 33.5351)

Have a look what the booklet for
XYZ(61.3151, 84.2422, 33.5351)
contains.

XYZ(61.3945, 84.2850, 33.4549)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(61.3945, 84.2850,
33.4549)**

Conversions

Conversions Part 1

Format	Color
Hex	C0FF80
RGB	192, 255, 128
RGB Percent	75%, 100%, 50%
CMY	0.2471, 0.0000, 0.4980
CMYK	0.25, 0.00, 0.50, 0.00
HSL	90°, 100%, 75%
HSV	90°, 50%, 100%
XYZ	61.3945, 84.2850, 33.4549
YIQ	221.6850, 3.2190, -52.8530

Conversions

Conversions Part 2

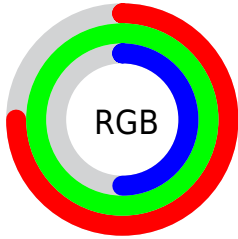
Format	Color
RYB	128, 255, 191
Decimal	12648320
CIELab	93.57, -40.09, 53.96
CIELCh	94, 67.224, 126.607
Yxy	84.2850, 0.3427, 0.4705
Android (android.graphics.Color)	4290838400 (0xFFC0FF80)
YUV	221.6850, -46.1867, -26.0337
Hunter-Lab	91.8069, -41.2927, 42.6592

Details

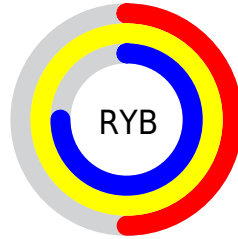
The XYZ color **61.3945, 84.2850, 33.4549** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **47.2564, 33.7361, 98.6288**, and the grayscale version is **69.5224, 73.1430, 79.6527**.

A 20% lighter version of the original color is **84.0909, 95.4481, 58.7910**, and **31.4558, 46.0471, 13.8867** is the 20% darker color. If you saturate the color by 10%, you get **56.8547, 82.1148, 25.5549**, and if you desaturate by 10%, it is **66.6318, 86.7660, 43.5912**.

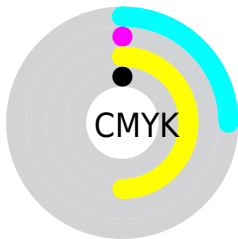
Distribution



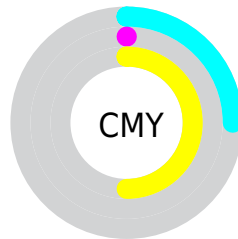
- Red (75%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (75%)



- Cyan (25%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.3945, 84.2850, 33.4549 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 61.3945, 84.2850, 33.4549 by changing the saturation by 10% instead.


 61.3945, 84.2850,
33.4549

 61.3945, 84.2850,
33.4549


419.4718,
509.2592, 332.3892


 44.7974, 63.2508,
22.2012


 105.9448,
139.3738, 66.2093

 31.4984, 46.0441,
13.8051


 134.6287,
174.1971, 88.5470

 21.1324, 32.2806,
7.8480

 168.0722,
214.3856, 115.4165

 13.3338, 21.5759,
3.9115

206.6408,
260.3236, 147.2363

 7.7374, 13.5456,
1.5769

250.6996,
312.3956, 184.4249

 3.9778, 7.8053,
0.2743

300.6142,

 1.6896, 3.9706,

370.9859, 227.4009

0.0000

356.7498,
436.4790, 276.5829

0.4497, 1.6572,
0.0000

0.0000, 0.3957,
0.0000

61.3945, 84.2850,
33.4549

61.3945, 84.2850,
33.4549

56.8547, 82.1148,
25.5549

66.6318, 86.7660,
43.5912

52.9727, 80.2387,
19.7175

72.6016, 89.5725,
56.1125

49.7047, 78.6384,
15.7495

79.3366, 92.7185,
71.1589

46.9992, 77.2925,
13.4193

86.8676, 96.2169,
88.8589

■ 44.7781, 76.1687, 95.0500, 100.0000,
12.3564 108.9000

■ 44.7375, 76.1481,
12.3401

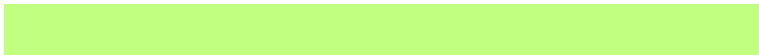
Harmonies

Analogous

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



76.2388, 84.2850, 24.8018



61.3945, 84.2850, 33.4549



52.6380, 84.2850, 58.1123

Triad

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



61.3945, 84.2850, 33.4549



67.2820, 84.2850, 214.2455



119.1207, 84.2850, 80.9558

Complementary

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



61.3945, 84.2850, 33.4549



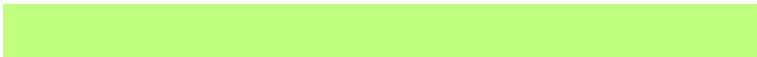
47.2564, 33.7361, 98.6288

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.



115.7852, 84.2850, 136.4222



61.3945, 84.2850, 33.4549



84.1108, 84.2850, 227.5375

Square

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



61.3945, 84.2850, 33.4549



55.6689, 84.2850, 163.4635



102.2888, 84.2850, 195.0157



110.8266, 84.2850, 44.8722

Rectangle

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



61.3945, 84.2850, 33.4549



50.5854, 84.2850, 86.0949



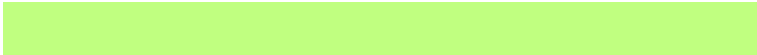
102.2888, 84.2850, 195.0157



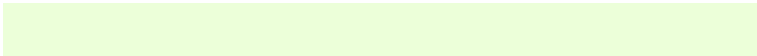
119.3386, 84.2850, 97.6934

Sweetspot

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



61.3947, 84.2851, 33.4561



82.8523, 94.3539, 79.3206



63.4171, 59.3797, 28.5423



17.3986, 20.0398, 16.1947



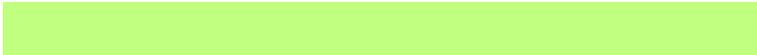
0.0000, 0.0000, 0.0000



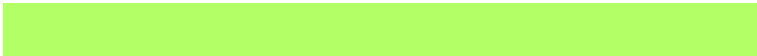
20.3446, 21.4041, 23.3091

Same Dimension

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



61.3947, 84.2851, 33.4561



56.7718, 82.0750, 25.4202



48.8809, 77.8339, 32.8705



18.6440, 20.6179, 19.1413



23.5488, 39.8779, 6.4561



2.4189, 3.9477, 0.6345

Inverse Universe

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



47.2564, 33.7361, 98.6288



41.1385, 26.1759, 97.4920



66.2352, 43.5200, 99.5170



17.8614, 17.8203, 22.7482



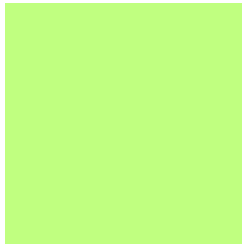
14.1378, 6.1988, 49.8859



1.5024, 0.6684, 4.8631

Previews

White Background



This preview shows how the XYZ color 61.3945, 84.2850, 33.4549 looks on a white background.

Color Contrast Check

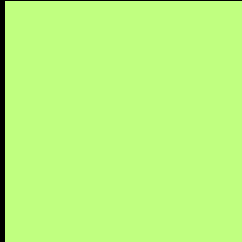
Large Text (above 18pt) WCAG AA × Fail

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 61.3945, 84.2850, 33.4549 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

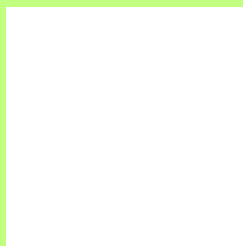
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.3945, 84.2850, 33.4549

Background



This preview shows how black text looks on a background with the XYZ color 61.3945, 84.2850, 33.4549.

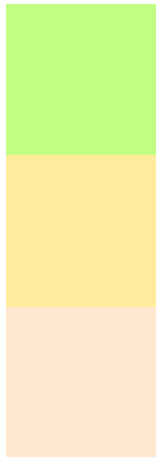


This preview shows how white text looks on a background with the XYZ color 61.3945, 84.2850,

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

61.3945, 84.2850, 33.4549

Protanopia

77.2362, 83.6512, 43.5280

Deuteranopia

81.3591, 83.4782, 70.8563



Tritanopia

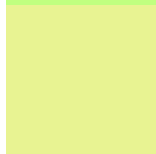
77.5290, 84.1391, 106.7620

Trichromacy



Original Color

61.3945, 84.2850, 33.4549



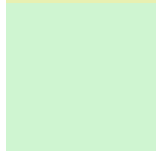
Protanomaly

70.5176, 83.3323, 39.5622



Deuteranomaly

72.4747, 82.6903, 54.2605



Tritanomaly

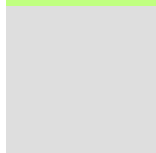
69.8932, 83.1737, 72.6920

Monochromacy



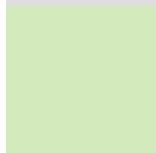
Original Color

61.3945, 84.2850, 33.4549



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.3639, 76.3254, 58.8642

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.3945, 84.2850, 33.4549 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(192, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 128)  
}
```

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(192, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 128) }
```

Border

The CSS property to change the border of an element to XYZ 61.3945, 84.2850, 33.4549 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(192, 255, 128) }
```


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

```
.border{ border-color:rgb(192, 255, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 61.3945, 84.2850, 33.4549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 128) }
```

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

```
.background{ background-color: rgb(192,  
255, 128) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor