

Converting Colors

XYZ(63.7663, 85.5114, 33.3980)

Have a look what the booklet for
XYZ(63.7663, 85.5114, 33.3980)
contains.

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Color

**XYZ(63.7437, 85.4960,
33.5648)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FF80
RGB	201, 255, 128
RGB Percent	79%, 100%, 50%
CMY	0.2118, 0.0000, 0.4980
CMYK	0.21, 0.00, 0.50, 0.00
HSL	86°, 100%, 75%
HSV	86°, 50%, 100%
XYZ	63.7437, 85.4960, 33.5648
YIQ	224.3760, 8.5830, -50.9450

Conversions

Conversions Part 2

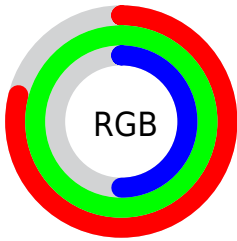
Format	Color
RYB	128, 255, 182
Decimal	13238144
CIELab	94.10, -36.89, 54.72
CIELCh	94, 65.993, 123.991
Yxy	85.4960, 0.3487, 0.4677
Android (android.graphics.Color)	4291428224 (0xFFC9FF80)
YUV	224.3760, -47.5134, -20.5008
Hunter-Lab	92.4640, -38.7561, 43.2023

Details

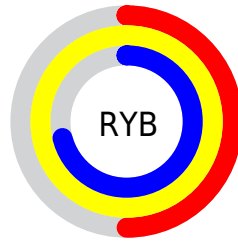
The XYZ color **63.7437, 85.4960, 33.5648** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **45.0618, 32.6047, 98.5261**, and the grayscale version is **71.4454, 75.1661, 81.8559**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **32.9317, 46.8119, 13.7785** is the 20% darker color. If you saturate the color by 10%, you get **59.4579, 83.4568, 25.6767**, and if you desaturate by 10%, it is **68.6576, 87.8103, 43.6859**.

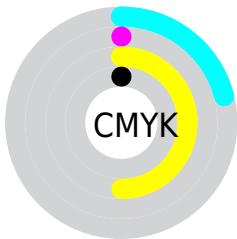
Distribution



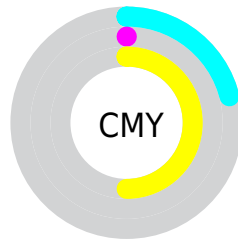
- Red (79%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (71%)



- Cyan (21%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7437, 85.4960, 33.5648 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 63.7437, 85.4960, 33.5648 by changing the saturation by 10% instead.


 63.7437, 85.4960,
33.5648

 63.7437, 85.4960,
33.5648


427.8804,
513.2679, 332.8969


 46.7040, 64.2513,
22.2848


 109.3175,
141.0660, 66.3825

 33.0087, 46.8542,
13.8660


 138.5824,
176.1600, 88.7572

 22.2924, 32.9204,
7.8899


 172.6531,
216.6393, 115.6673

 14.1897, 22.0655,
3.9378

211.8948,
262.8882, 147.5313

 8.3353, 13.9050,
1.5913

256.6731,
315.2911, 184.7677

 4.3638, 8.0546,
0.2846

307.3532,

 1.9100, 4.1299,

374.2324, 227.7951

0.0000

364.3005,
440.0965, 277.0319

■ 0.5826, 1.7465,
0.0000

■ 0.0000, 0.4535,
0.0000

■ 63.7437, 85.4960,
33.5648

■ 63.7437, 85.4960,
33.5648

■ 59.4579, 83.4568,
25.6767

■ 68.6576, 87.8103,
43.6859

■ 55.7629, 81.6771,
19.8481

■ 74.2317, 90.4129,
56.1887

■ 52.6178, 80.1402,
15.8858

■ 80.4967, 93.3166,
71.2132

■ 49.9742, 78.8261,
13.5585

■ 87.4806, 96.5330,
88.8875

■ 47.7571, 77.7044,
12.4959

95.0500, 100.0000,
108.9000

■ 47.7160, 77.6836,
12.4795

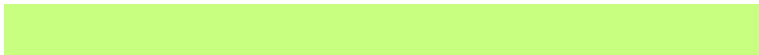
Harmonies

Analogous

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



78.9246, 85.4960, 25.9426



63.7437, 85.4960, 33.5648



54.4426, 85.4960, 56.6758

Triad

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



63.7437, 85.4960, 33.5648



67.2833, 85.4960, 210.4521



119.9891, 85.4960, 86.4953

Complementary

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



63.7437, 85.4960, 33.5648



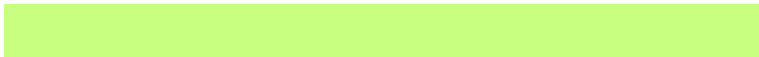
45.0618, 32.6047, 98.5261

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.



115.6960, 85.4960, 142.4869



63.7437, 85.4960, 33.5648



83.6438, 85.4960, 227.4206

Square

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



63.7437, 85.4960, 33.5648



56.2692, 85.4960, 158.6041



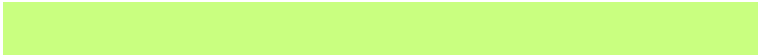
101.7261, 85.4960, 199.0255



112.7354, 85.4960, 48.6771

Rectangle

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



63.7437, 85.4960, 33.5648



51.9941, 85.4960, 83.2920



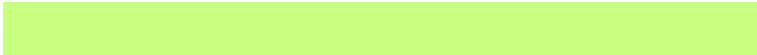
101.7261, 85.4960, 199.0255



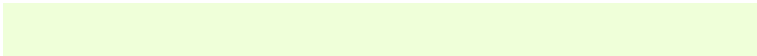
119.8543, 85.4960, 103.6290

Sweetspot

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



63.7440, 85.4961, 33.5660



83.7594, 94.8215, 79.3631



61.6439, 55.8333, 27.9512



17.6170, 20.1524, 16.2049



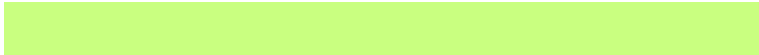
0.0000, 0.0000, 0.0000



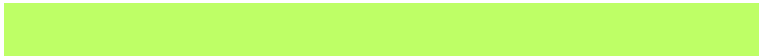
20.3446, 21.4041, 23.3091

Same Dimension

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



63.7440, 85.4961, 33.5660



59.3793, 83.4192, 25.5423



50.2351, 78.5320, 32.9338



18.7714, 20.6836, 19.1473



25.1070, 40.6812, 6.5290



2.5695, 4.0254, 0.6416

Inverse Universe

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



45.0618, 32.6047, 98.5261



38.7497, 24.9444, 97.3802



63.2227, 41.9670, 99.3760



17.7352, 17.7552, 22.7423



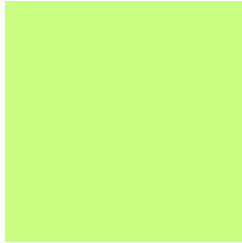
12.8524, 5.5361, 49.8258



1.3731, 0.6018, 4.8571

Previews

White Background



This preview shows how the XYZ color 63.7437, 85.4960, 33.5648 looks on a white background.

Color Contrast Check

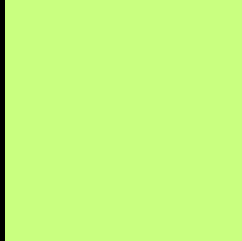
Large Text (above 18pt) WCAG AA × Fail

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 63.7437, 85.4960, 33.5648 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

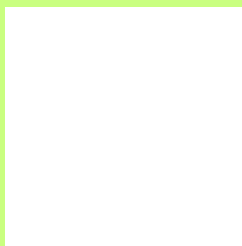
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7437, 85.4960, 33.5648

Background



This preview shows how black text looks on a background with the XYZ color 63.7437, 85.4960, 33.5648.

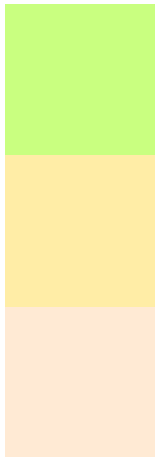


This preview shows how white text looks on a background with the XYZ color 63.7437, 85.4960,

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

63.7437, 85.4960, 33.5648

Protanopia

78.4071, 84.5815, 48.2698

Deuteranopia

82.5465, 84.8591, 74.3161



Tritanopia

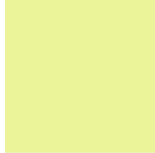
79.6415, 85.2282, 106.8609

Trichromacy



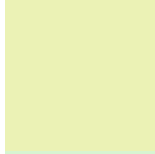
Original Color

63.7437, 85.4960, 33.5648



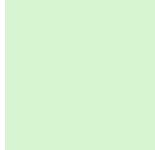
Protanomaly

72.2791, 84.6305, 42.2316



Deuteranomaly

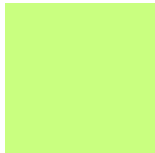
74.3536, 84.5026, 56.1078



Tritanomaly

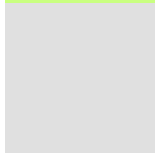
72.1854, 84.3553, 72.7992

Monochromacy



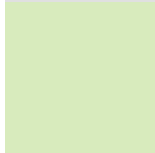
Original Color

63.7437, 85.4960, 33.5648



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.2125, 77.6897, 59.5972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7437, 85.4960, 33.5648 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(201, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(201, 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(201, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 128) }
```

Border

The CSS property to change the border of an element to XYZ 63.7437, 85.4960, 33.5648 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(201, 255, 128) }
```


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

```
.border{ border-color:rgb(201, 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(201, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7437, 85.4960, 33.5648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 128) }
```

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

```
.background{ background-color: rgb(201,  
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](#).

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