

Converting Colors

XYZ(76.1290, 108.9592,
37.4270)

Have a look what the booklet for
XYZ(76.1290, 108.9592, 37.4270)
contains.

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Color

**XYZ(64.5581, 85.9159,
33.6029)**

Conversions

Conversions Part 1

Format	Color
Hex	CCFF80
RGB	204, 255, 128
RGB Percent	80%, 100%, 50%
CMY	0.2000, 0.0000, 0.4980
CMYK	0.20, 0.00, 0.50, 0.00
HSL	84°, 100%, 75%
HSV	84°, 50%, 100%
XYZ	64.5581, 85.9159, 33.6029
YIQ	225.2730, 10.3710, -50.3090

Conversions

Conversions Part 2

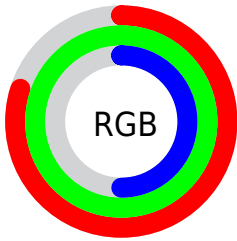
Format	Color
RYB	128, 255, 179
Decimal	13434752
CIELab	94.28, -35.81, 54.98
CIElCh	94, 65.612, 123.082
Yxy	85.9159, 0.3507, 0.4667
Android (android.graphics.Color)	4291624832 (0xFFCCFF80)
YUV	225.2730, -47.9556, -18.6564
Hunter-Lab	92.6908, -37.8858, 43.3894

Details

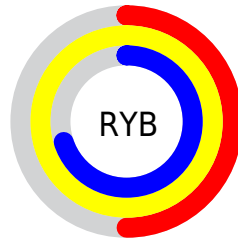
The XYZ color **64.5581, 85.9159, 33.6029** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **44.3609, 32.2434, 98.4933**, and the grayscale version is **72.0931, 75.8476, 82.5980**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **33.4627, 47.0856, 13.8033** is the 20% darker color. If you saturate the color by 10%, you get **60.3698, 83.9269, 25.7194**, and if you desaturate by 10%, it is **69.3532, 88.1689, 43.7185**.

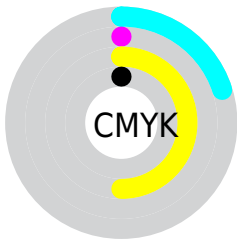
Distribution



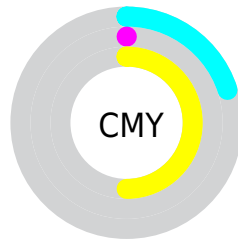
- Red (80%)
- Green (100%)
- Blue (50%)



- Red (50%)
- Yellow (100%)
- Blue (70%)



- Cyan (20%)
- Magenta (0%)
- Yellow (50%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.5581, 85.9159, 33.6029 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 64.5581, 85.9159, 33.6029 by changing the saturation by 10% instead.


 64.5581, 85.9159,
33.6029


 64.5581, 85.9159,
33.6029


430.7726,
514.6539, 333.0727


 47.3662, 64.5984,
22.3138


 110.4836,
141.6521, 66.4425

 33.5344, 47.1355,
13.8872


 139.9478,
176.8397, 88.8301

 22.6973, 33.1428,
7.9044


 174.2336,
217.4194, 115.7542

 14.4897, 22.2359,
3.9469

213.7063,
263.7756, 147.6335

 8.5460, 14.0303,
1.5963

258.7311,
316.2928, 184.8865

 4.5010, 8.1418,
0.2882

309.6736,

 1.9893, 4.1858,

375.3553, 227.9316

0.0000

366.8990,
441.3475, 277.1875

0.6279, 1.7780,
0.0000

0.0000, 0.4734,
0.0000

64.5581, 85.9159,
33.6029

64.5581, 85.9159,
33.6029

60.3698, 83.9269,
25.7194

69.3532, 88.1689,
43.7185

56.7518, 82.1869,
19.8943

74.7867, 90.6990,
56.2146

53.6639, 80.6795,
15.9348

80.8886, 93.5186,
71.2315

51.0585, 79.3851,
13.6093

87.6862, 96.6390,
88.8971

■ 48.8614, 78.2737, 95.0500, 100.0000,
12.5475 108.9000

■ 48.8206, 78.2530,
12.5312

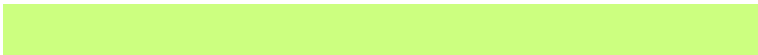
Harmonies

Analogous

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



79.8557, 85.9159, 26.3376



64.5581, 85.9159, 33.6029



55.0671, 85.9159, 56.1970

Triad

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



64.5581, 85.9159, 33.6029



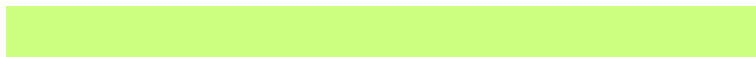
67.2883, 85.9159, 209.1981



120.2957, 85.9159, 88.4365

Complementary

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



64.5581, 85.9159, 33.6029



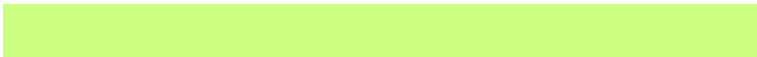
44.3609, 32.2434, 98.4933

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.



115.6762, 85.9159, 144.5976



64.5581, 85.9159, 33.6029



83.4922, 85.9159, 227.4059

Square

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



64.5581, 85.9159, 33.6029



56.4771, 85.9159, 156.9933



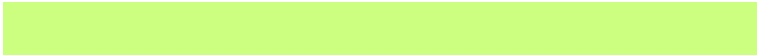
101.5443, 85.9159, 200.4190



113.3979, 85.9159, 50.0171

Rectangle

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



64.5581, 85.9159, 33.6029



52.4806, 85.9159, 82.3612



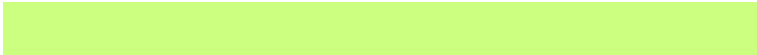
101.5443, 85.9159, 200.4190



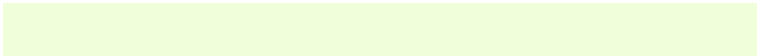
120.0405, 85.9159, 105.7041

Sweetspot

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



64.5583, 85.9160, 33.6041



84.0647, 94.9790, 79.3774



61.2170, 54.9795, 27.8089



17.6906, 20.1904, 16.2084



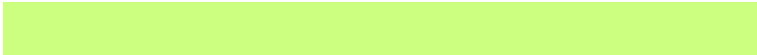
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



64.5583, 85.9160, 33.6041



60.2929, 83.8901, 25.5850



50.5906, 78.7153, 32.9504



18.8142, 20.7056, 19.1493



25.6830, 40.9782, 6.5559



2.6242, 4.0536, 0.6441

Inverse Universe

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



44.3609, 32.2434, 98.4933



37.9965, 24.5561, 97.3449



62.4908, 41.5897, 99.3417



17.6934, 17.7337, 22.7404



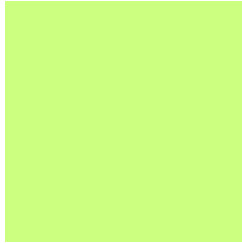
12.4762, 5.3422, 49.8082



1.3342, 0.5817, 4.8552

Previews

White Background



This preview shows how the XYZ color 64.5581, 85.9159, 33.6029 looks on a white background.

Color Contrast Check

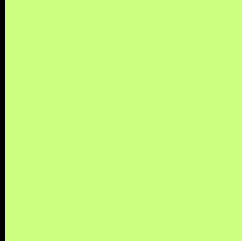
Large Text (above 18pt) WCAG AA × Fail

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 64.5581, 85.9159, 33.6029 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

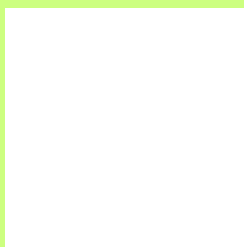
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.5581, 85.9159, 33.6029

Background



This preview shows how black text looks on a background with the XYZ color 64.5581, 85.9159, 33.6029.

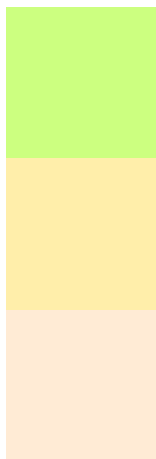


This preview shows how white text looks on a background with the XYZ color 64.5581, 85.9159,

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

64.5581, 85.9159, 33.6029

Protanopia

79.0702, 85.3114, 50.3295

Deuteranopia

82.9586, 85.4808, 75.0778



Tritanopia

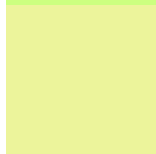
80.2614, 85.5477, 106.8899

Trichromacy



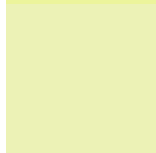
Original Color

64.5581, 85.9159, 33.6029



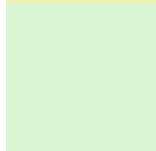
Protanomaly

72.8591, 84.9008, 43.5578



Deuteranomaly

74.7877, 84.7145, 56.6658



Tritanomaly

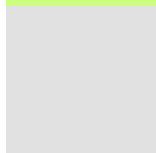
72.7763, 84.6600, 72.8269

Monochromacy



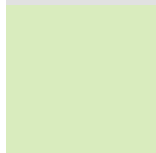
Original Color

64.5581, 85.9159, 33.6029



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

67.9050, 78.4603, 60.2806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5581, 85.9159, 33.6029 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(204, 255, 128)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 255, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 128) }
```

Border

The CSS property to change the border of an element to XYZ 64.5581, 85.9159, 33.6029 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(204, 255, 128) }
```


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

```
.border{ border-color:rgb(204, 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(204, 255, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 128);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5581, 85.9159, 33.6029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 128) }
```

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

```
.background{ background-color: rgb(204,  
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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