

Converting Colors

XYZ(64.0741, 85.7690, 28.9433)

Have a look what the booklet for
XYZ(64.0741, 85.7690, 28.9433)
contains.

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Color

**XYZ(63.9175, 85.6914,
28.7941)**

Conversions

Conversions Part 1

Format	Color
Hex	CDFE71
RGB	205, 255, 113
RGB Percent	80%, 100%, 44%
CMY	0.1961, 0.0000, 0.5568
CMYK	0.20, 0.00, 0.56, 0.00
HSL	81°, 100%, 72%
HSV	81°, 56%, 100%
XYZ	63.9175, 85.6914, 28.7941
YIQ	223.8620, 15.7820, -54.7620

Conversions

Conversions Part 2

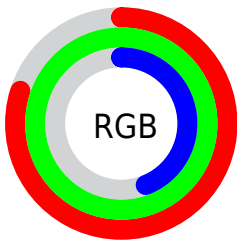
Format	Color
RYB	113, 255, 163
Decimal	13500273
CIELab	94.18, -36.86, 61.59
CIElCh	94, 71.778, 120.897
Yxy	85.6914, 0.3583, 0.4803
Android (android.graphics.Color)	4291690353 (0xFFCDDFF71)
YUV	223.8620, -54.6550, -16.5420
Hunter-Lab	92.5696, -38.7462, 46.3564

Details

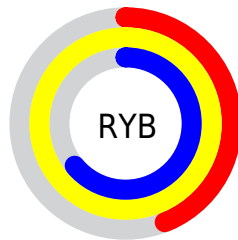
The XYZ color **63.9175, 85.6914, 28.7941** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **39.0607, 26.8182, 97.7254**, and the grayscale version is **71.1227, 74.8267, 81.4862**.

A 20% lighter version of the original color is **84.0679, 95.6072, 51.0690**, and **33.1705, 46.9896, 11.3246** is the 20% darker color. If you saturate the color by 10%, you get **60.2713, 83.9549, 22.1535**, and if you desaturate by 10%, it is **68.1095, 87.6626, 37.5674**.

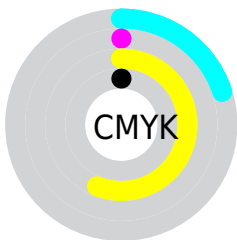
Distribution



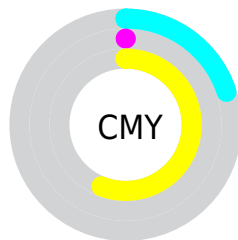
- Red (80%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (64%)



- Cyan (20%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9175, 85.6914, 28.7941 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 63.9175, 85.6914, 28.7941 by changing the saturation by 10% instead.


 63.9175, 85.6914,
28.7941

 63.9175, 85.6914,
28.7941


428.4986,
513.9131, 310.2727


 46.8453, 64.4128,
18.6809


 109.5665,
141.3388, 58.7881

 33.1208, 46.9851,
11.2654


 138.8740,
176.4763, 79.5059

 22.3787, 33.0239,
6.1293


 172.9907,
217.0024, 104.5957

 14.2536, 22.1447,
2.8538

212.2818,
263.3012, 134.4759

 8.3801, 13.9633,
1.0205

257.1129,
315.7574, 169.5652

 4.3930, 8.0951,
0.0000

307.8491,

 1.9268, 4.1559,

374.7551, 210.2821

0.0000

364.8559,
440.6789, 257.0451

■ 0.5923, 1.7611,
0.0000

■ 0.0000, 0.4628,
0.0000

■ 63.9175, 85.6914,
28.7941

■ 63.9175, 85.6914,
28.7941

■ 60.2713, 83.9549,
22.1535

■ 68.1095, 87.6626,
37.5674

■ 57.1333, 82.4379,
17.4589

■ 72.8798, 89.8818,
48.6317

■ 54.4606, 81.1228,
14.4976

■ 78.2585, 92.3614,
62.1344

■ 52.2005, 79.9884,
13.0048

■ 84.2734, 95.1126,
78.2097

■ 51.3204, 79.5417,
12.6482

■ 90.9502, 98.1460,
96.9818

95.0500, 100.0000,
108.9000

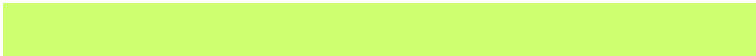
Harmonies

Analogous

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



80.8701, 85.6914, 22.4744



63.9175, 85.6914, 28.7941



53.2536, 85.6914, 50.7373

Triad

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



63.9175, 85.6914, 28.7941



64.7736, 85.6914, 219.5795



124.2331, 85.6914, 91.6568

Complementary

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



63.9175, 85.6914, 28.7941



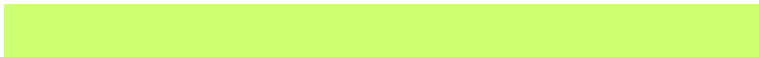
39.0607, 26.8182, 97.7254

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.



118.1627, 85.6914, 154.7764



63.9175, 85.6914, 28.7941



82.0268, 85.6914, 244.0367

Square

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



63.9175, 85.6914, 28.7941



53.6905, 85.6914, 158.8316



101.9202, 85.6914, 216.6620



117.4231, 85.6914, 48.8498

Rectangle

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



63.9175, 85.6914, 28.7941



50.1539, 85.6914, 77.5516



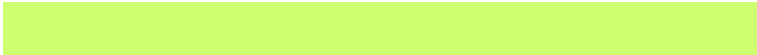
101.9202, 85.6914, 216.6620



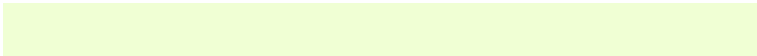
123.6238, 85.6914, 111.0556

Sweetspot

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



63.9177, 85.6915, 28.7953



83.4450, 94.7348, 75.9437



57.2653, 48.5413, 21.9752



17.5945, 20.1557, 15.5335



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.



63.9177, 85.6915, 28.7953



59.8304, 83.7432, 21.4290



48.6208, 77.8057, 28.0794



18.9041, 20.7520, 19.1535



26.9840, 41.6489, 6.6168



2.7459, 4.1163, 0.6498

Inverse Universe

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



39.0607, 26.8182, 97.7254



32.7879, 19.5412, 96.6515



57.7891, 36.4730, 98.6019



17.6064, 17.6888, 22.7363



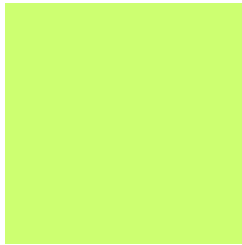
11.7699, 4.9781, 49.7751



1.2591, 0.5430, 4.8517

Previews

White Background



This preview shows how the XYZ color 63.9175, 85.6914, 28.7941 looks on a white background.

Color Contrast Check

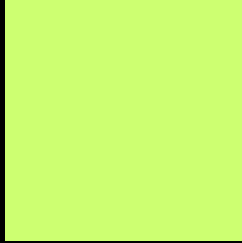
Large Text (above 18pt) WCAG AA × Fail

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 63.9175, 85.6914, 28.7941 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

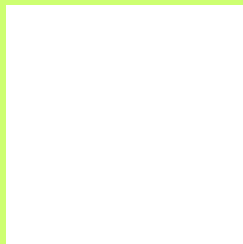
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9175, 85.6914, 28.7941

Background



This preview shows how black text looks on a background with the XYZ color 63.9175, 85.6914, 28.7941.

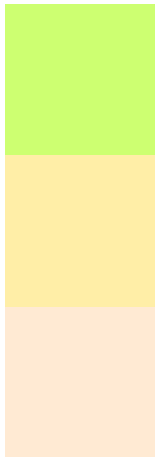


This preview shows how white text looks on a background with the XYZ color 63.9175, 85.6914,

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

63.9175, 85.6914, 28.7941

Protanopia

78.7896, 85.1991, 48.8516

Deuteranopia

82.4207, 84.8088, 73.6537



Tritanopia

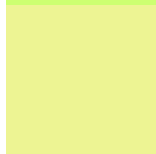
80.2805, 85.1218, 106.8066

Trichromacy



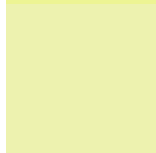
Original Color

63.9175, 85.6914, 28.7941



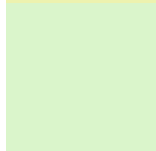
Protanomaly

72.5422, 84.8125, 40.1508



Deuteranomaly

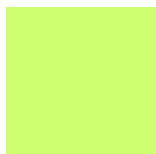
74.4150, 84.6039, 52.9655



Tritanomaly

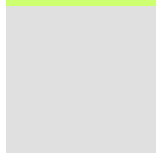
72.3453, 84.5220, 69.0013

Monochromacy



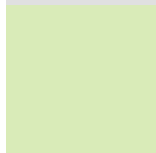
Original Color

63.9175, 85.6914, 28.7941



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

66.9753, 77.6291, 56.8013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9175, 85.6914, 28.7941 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(205, 255, 113)` looks like.

```
.text, #text, p{  
    color:rgb(205, 255, 113)  
}
```

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(205, 255, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 255, 113) }
```

Border

The CSS property to change the border of an element to XYZ 63.9175, 85.6914, 28.7941 is called "border". The border property can be set on classes, ids or directly on the HTML element.

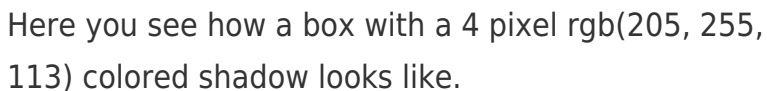
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(205, 255, 113) }
```


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

```
.border{ border-color:rgb(205, 255, 113) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 255, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 255, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 255, 113); box-shadow:4px 4px 4px 4px rgb(205, 255, 113) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9175, 85.6914, 28.7941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 255, 113) }
```

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

```
.background{ background-color: rgb(205,  
255, 113) }
```

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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