

Converting Colors

XYZ(71.7452, 100.0000,
31.4200)

Have a look what the booklet for
XYZ(71.7452, 100.0000, 31.4200)
contains.

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Color

**XYZ(64.8097, 86.1448,
29.1314)**

Conversions

Conversions Part 1

Format	Color
Hex	D0FF72
RGB	208, 255, 114
RGB Percent	82%, 100%, 45%
CMY	0.1843, 0.0000, 0.5529
CMYK	0.18, 0.00, 0.55, 0.00
HSL	80°, 100%, 72%
HSV	80°, 55%, 100%
XYZ	64.8097, 86.1448, 29.1314
YIQ	224.8730, 17.2490, -53.8150

Conversions

Conversions Part 2

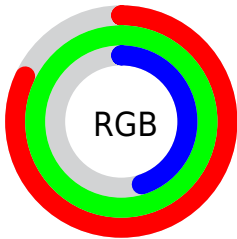
Format	Color
RYB	114, 255, 161
Decimal	13696882
CIELab	94.37, -35.67, 61.43
CIElCh	94, 71.030, 120.140
Yxy	86.1448, 0.3599, 0.4784
Android (android.graphics.Color)	4291886962 (0xFFD0FF72)
YUV	224.8730, -54.6604, -14.7976
Hunter-Lab	92.8142, -37.7831, 46.3607

Details

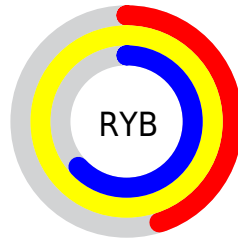
The XYZ color **64.8097, 86.1448, 29.1314** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **38.7666, 26.8331, 97.7438**, and the grayscale version is **71.8480, 75.5897, 82.3172**.

A 20% lighter version of the original color is **84.1614, 95.6446, 51.5616**, and **33.7460, 47.2832, 11.4857** is the 20% darker color. If you saturate the color by 10%, you get **61.2284, 84.4435, 22.4145**, and if you desaturate by 10%, it is **68.9240, 88.0741, 37.9870**.

Distribution



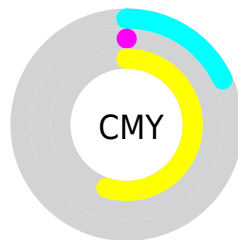
- Red (82%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (63%)



- Cyan (18%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8097, 86.1448, 29.1314 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 64.8097, 86.1448, 29.1314 by changing the saturation by 10% instead.


 64.8097, 86.1448,
29.1314


 64.8097, 86.1448,
29.1314


431.6638,
515.4085, 311.9147


 47.5709, 64.7877,
18.9338


 110.8435,
141.9715, 59.3305

 33.6970, 47.2890,
11.4461


 140.3691,
177.2100, 80.1690

 22.8227, 33.2642,
6.2498


 174.7212,
217.8443, 105.3916

 14.5827, 22.3289,
2.9263

214.2649,
264.2590, 135.4169

 8.6114, 14.0988,
1.0571

259.3656,
316.8383, 170.6633

 4.5437, 8.1894,
0.0000

310.3888,

 2.0141, 4.2164,

375.9668, 211.5494

0.0000

367.6998,
442.0287, 258.4937

■ 0.6418, 1.7953,
0.0000

■ 0.0000, 0.4843,
0.0000

■ 64.8097, 86.1448,
29.1314

■ 64.8097, 86.1448,
29.1314

■ 61.2284, 84.4435,
22.4145

■ 68.9240, 88.0741,
37.9870

■ 58.1430, 82.9552,
17.6507

■ 73.6034, 90.2444,
49.1389

■ 55.5114, 81.6627,
14.6288

■ 78.8774, 92.6678,
62.7340

■ 53.2817, 80.5451,
13.0865

■ 84.7735, 95.3555,
78.9060

■ 52.3370, 80.0657,
12.6958

■ 91.3168, 98.3178,
97.7788

95.0500, 100.0000,
108.9000

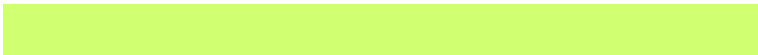
Harmonies

Analogous

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



81.7884, 86.1448, 23.0924



64.8097, 86.1448, 29.1314



54.0136, 86.1448, 50.6204

Triad

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



64.8097, 86.1448, 29.1314



64.9427, 86.1448, 217.5501



124.2992, 86.1448, 93.5405

Complementary

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



64.8097, 86.1448, 29.1314



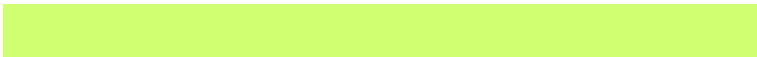
38.7666, 26.8331, 97.7438

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.



117.9787, 86.1448, 156.4092



64.8097, 86.1448, 29.1314



81.9677, 86.1448, 242.9066

Square

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



64.8097, 86.1448, 29.1314



54.0815, 86.1448, 157.0355



101.7073, 86.1448, 217.1005



117.8644, 86.1448, 50.3262

Rectangle

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



64.8097, 86.1448, 29.1314



50.8005, 86.1448, 76.9368



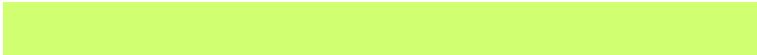
101.7073, 86.1448, 217.1005



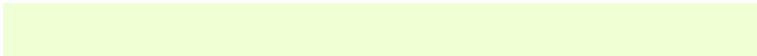
123.5852, 86.1448, 112.9564

Sweetspot

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



64.8099, 86.1449, 29.1326



83.7216, 94.8774, 75.9567



57.0229, 47.9657, 22.1737



17.6601, 20.1895, 15.5365



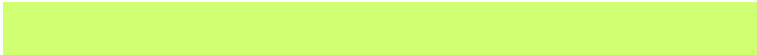
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



64.8099, 86.1449, 29.1326



60.9942, 84.3314, 22.0156



49.1968, 78.0960, 28.4019



18.9384, 20.7697, 19.1551



27.5121, 41.9211, 6.6415



2.7947, 4.1415, 0.6521

Inverse Universe

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



38.7666, 26.8331, 97.7438



32.7274, 19.8099, 96.7065



57.1846, 36.3279, 98.6058



17.5735, 17.6719, 22.7347



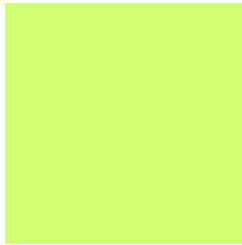
11.5298, 4.8543, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 64.8097, 86.1448, 29.1314 looks on a white background.

Color Contrast Check

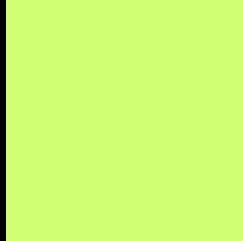
Large Text (above 18pt) WCAG AA × Fail

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 64.8097, 86.1448, 29.1314 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

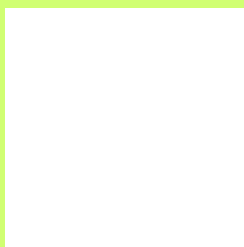
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8097, 86.1448, 29.1314

Background



This preview shows how black text looks on a background with the XYZ color 64.8097, 86.1448, 29.1314.

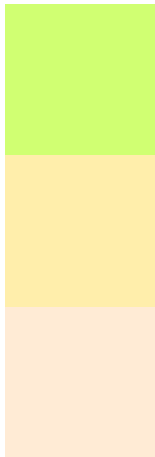


This preview shows how white text looks on a background with the XYZ color 64.8097, 86.1448,

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

64.8097, 86.1448, 29.1314

Protanopia

79.1652, 85.3493, 50.8297

Deuteranopia

82.9586, 85.4808, 75.0778



Tritanopia

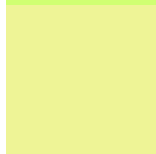
80.9114, 85.4470, 106.8362

Trichromacy



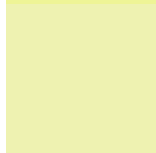
Original Color

64.8097, 86.1448, 29.1314



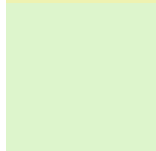
Protanomaly

73.1156, 85.0805, 41.4227



Deuteranomaly

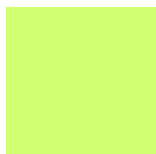
74.9478, 84.8557, 54.0236



Tritanomaly

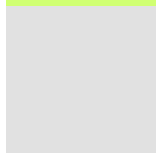
73.3703, 85.0366, 69.6734

Monochromacy



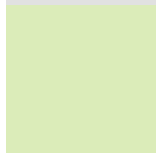
Original Color

64.8097, 86.1448, 29.1314



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

67.9658, 78.5538, 57.4792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8097, 86.1448, 29.1314 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(208, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 114)  
}
```

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(208, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 114) }
```

Border

The CSS property to change the border of an element to XYZ 64.8097, 86.1448, 29.1314 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(208, 255, 114) }
```


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

```
.border{ border-color:rgb(208, 255, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 255, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8097, 86.1448, 29.1314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 255, 114) }
```

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

```
.background{ background-color: rgb(208,  
255, 114) }
```

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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