

Converting Colors

XYZ(64.5309, 86.0749, 25.7834)

Have a look what the booklet for
XYZ(64.5309, 86.0749, 25.7834)
contains.

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Color

**XYZ(64.4528, 86.0346,
25.7797)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FF66
RGB	209, 255, 102
RGB Percent	82%, 100%, 40%
CMY	0.1804, 0.0000, 0.6000
CMYK	0.18, 0.00, 0.60, 0.00
HSL	78°, 100%, 70%
HSV	78°, 60%, 100%
XYZ	64.4528, 86.0346, 25.7797
YIQ	223.8040, 21.6970, -57.3350

Conversions

Conversions Part 2

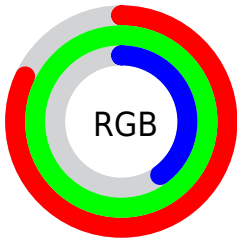
Format	Color
R_{YB}	102, 255, 148
Decimal	13762406
CIE _{Lab}	94.33, -36.27, 66.49
CIE _{LCh}	94, 75.741, 118.613
Yxy	86.0346, 0.3657, 0.4881
Android (android.graphics.Color)	4291952486 (0xFFD1FF66)
YUV	223.8040, -60.0494, -12.9831
Hunter-Lab	92.7548, -38.2862, 48.4497

Details

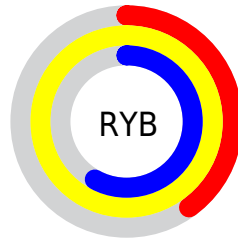
The XYZ color **64.4528, 86.0346, 25.7797** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **35.0154, 23.0200, 97.2055**, and the grayscale version is **71.1156, 74.8192, 81.4781**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **33.3926, 47.1419, 9.6248** is the 20% darker color. If you saturate the color by 10%, you get **61.2591, 84.5126, 20.0137**, and if you desaturate by 10%, it is **68.1401, 87.7662, 33.6008**.

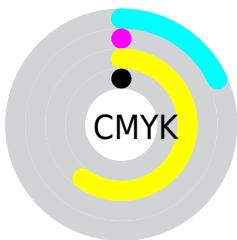
Distribution



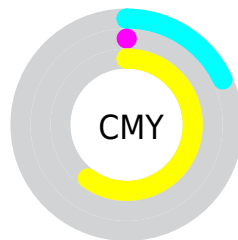
- Red (82%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (58%)



- Cyan (18%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.4528, 86.0346, 25.7797 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 64.4528, 86.0346, 25.7797 by changing the saturation by 10% instead.


 64.4528, 86.0346,
25.7797


 64.4528, 86.0346,
25.7797


430.3993,
515.0453, 295.2699


 47.2806, 64.6966,
16.4346


 110.3329,
141.8178, 53.8990


 33.4664, 47.2151,
9.6745


 139.7714,
177.0317, 73.5104

 22.6449, 33.2057,
5.0809


 174.0295,
217.6398, 97.3809

 14.4508, 22.2841,
2.2353

 213.4723,
264.0263, 125.9291

 8.5186, 14.0658,
0.6946

258.4654,
316.5757, 159.5736

 4.4831, 8.1664,
0.0000

309.3740,

 1.9789, 4.2016,

375.6724, 198.7329

0.0000

366.5635,
441.7008, 243.8255

0.6221, 1.7870,
0.0000

0.0000, 0.4790,
0.0000

64.4528, 86.0346,
25.7797

64.4528, 86.0346,
25.7797

61.2591, 84.5126,
20.0137

68.1401, 87.7662,
33.6008

58.5202, 83.1842,
16.1043


72.3542, 89.7207,
43.6434


56.1904, 82.0314,
13.8206

77.1256, 91.9106,
56.0612

54.1964, 81.0243,
12.7829

82.4821, 94.3470,
70.9932

 54.1961, 81.0242,
12.7828

 88.4493, 97.0404,
88.5676

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.



82.7226, 86.0346, 20.4312



64.4528, 86.0346, 25.7797



52.7480, 86.0346, 46.6482

Triad

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



64.4528, 86.0346, 25.7797



63.0652, 86.0346, 225.3519



127.3836, 86.0346, 96.4116

Complementary

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



64.4528, 86.0346, 25.7797



35.0154, 23.0200, 97.2055

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.



119.8687, 86.0346, 164.8773



64.4528, 86.0346, 25.7797



80.8313, 86.0346, 255.9826

Square

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



64.4528, 86.0346, 25.7797



52.0452, 86.0346, 158.1330



101.9482, 86.0346, 230.2495



121.0932, 86.0346, 49.6579

Rectangle

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



64.4528, 86.0346, 25.7797



49.1394, 86.0346, 73.2755



101.9482, 86.0346, 230.2495



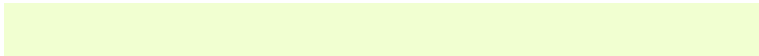
126.3682, 86.0346, 117.5521

Sweetspot

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



64.4530, 86.0347, 25.7809



83.6248, 94.8643, 74.2897



54.2132, 43.3689, 18.0853



17.5447, 20.1443, 14.8810



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.



64.4530, 86.0347, 25.7809



60.6758, 84.2317, 19.0892



47.7689, 77.4337, 25.0001



18.9983, 20.8006, 19.1579



28.4768, 42.4184, 6.6867



2.8832, 4.1871, 0.6562

Inverse Universe

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



35.0154, 23.0200, 97.2055



29.0220, 16.2590, 96.2164



53.6667, 32.6351, 98.0784



17.5164, 17.6424, 22.7321



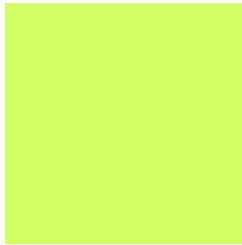
11.1476, 4.6573, 49.7460



1.1901, 0.5075, 4.8485

Previews

White Background



This preview shows how the XYZ color 64.4528, 86.0346, 25.7797 looks on a white background.

Color Contrast Check

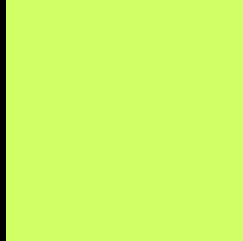
Large Text (above 18pt) WCAG AA × Fail

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 64.4528, 86.0346, 25.7797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

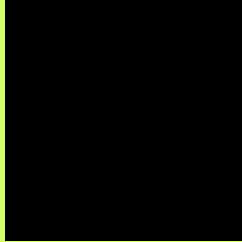
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

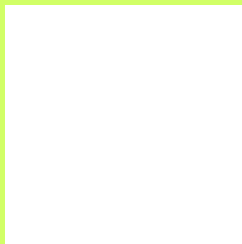
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4528, 86.0346, 25.7797

Background



This preview shows how black text looks on a background with the XYZ color 64.4528, 86.0346, 25.7797.

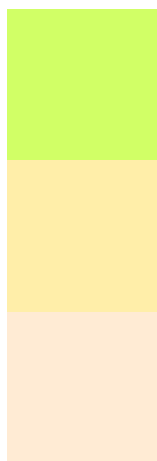


This preview shows how white text looks on a background with the XYZ color 64.4528, 86.0346,

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

64.4528, 86.0346, 25.7797

Protanopia

78.9760, 85.2736, 49.8331

Deuteranopia

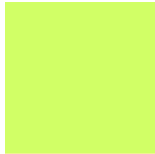
82.8320, 85.4301, 74.4113



Tritanopia

81.2296, 85.6110, 106.8511

Trichromacy



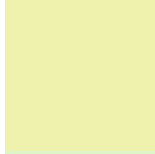
Original Color

64.4528, 86.0346, 25.7797



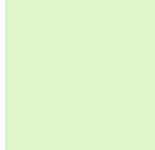
Protanomaly

72.7214, 84.9228, 39.3470



Deuteranomaly

74.4584, 84.6600, 51.4464



Tritanomaly

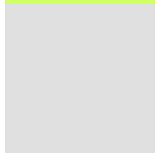
73.0854, 84.9579, 66.5793

Monochromacy



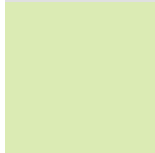
Original Color

64.4528, 86.0346, 25.7797



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.1600, 77.7720, 54.6518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4528, 86.0346, 25.7797 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(209, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 102)  
}
```

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(209, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 64.4528, 86.0346, 25.7797 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(209, 255, 102) }
```


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

```
.border{ border-color:rgb(209, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4528, 86.0346, 25.7797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 102) }
```

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

```
.background{ background-color: rgb(209,  
255, 102) }
```

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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