

Converting Colors

XYZ(67.3363, 87.4506, 29.1023)

Have a look what the booklet for
XYZ(67.3363, 87.4506, 29.1023)
contains.

XYZ(67.4125, 87.4866, 29.2532)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.4125, 87.4866,
29.2532)**

Conversions

Conversions Part 1

Format	Color
Hex	D9FF72
RGB	217, 255, 114
RGB Percent	85%, 100%, 45%
CMY	0.1490, 0.0000, 0.5529
CMYK	0.15, 0.00, 0.55, 0.00
HSL	76°, 100%, 72%
HSV	76°, 55%, 100%
XYZ	67.4125, 87.4866, 29.2532
YIQ	227.5640, 22.6130, -51.9070

Conversions

Conversions Part 2

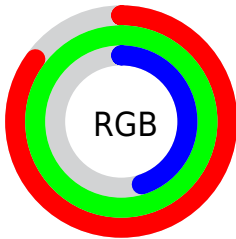
Format	Color
RYB	114, 255, 152
Decimal	14286706
CIELab	94.94, -32.31, 62.23
CIElCh	95, 70.118, 117.437
Yxy	87.4866, 0.3661, 0.4751
Android (android.graphics.Color)	4292476786 (0xFFD9FF72)
YUV	227.5640, -55.9871, -9.2646
Hunter-Lab	93.5343, -35.0355, 46.9308

Details

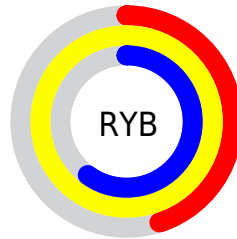
The XYZ color **67.4125, 87.4866, 29.2532** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **37.0175, 25.9314, 97.6620**, and the grayscale version is **73.8080, 77.6517, 84.5627**.

A 20% lighter version of the original color is **84.2557, 95.6823, 52.0580**, and **35.2816, 48.0749, 11.5575** is the 20% darker color. If you saturate the color by 10%, you get **64.1569, 85.9533, 22.5516**, and if you desaturate by 10%, it is **71.1580, 89.2257, 38.0915**.

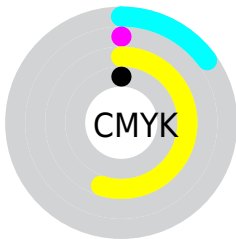
Distribution



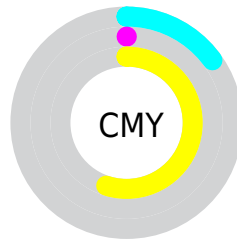
- Red (85%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (60%)



- Cyan (15%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)



- Cyan (15%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.4125, 87.4866, 29.2532 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 67.4125, 87.4866, 29.2532 by changing the saturation by 10% instead.


 67.4125, 87.4866,
29.2532

 67.4125, 87.4866,
29.2532


440.8211,
519.8205, 312.5060


 49.6919, 65.8980,
19.0252


 114.5578,
143.8422, 59.5261

 35.3854, 48.1896,
11.5115


 144.7132,
179.3779, 80.4081

 24.1278, 33.9770,
6.2935


 179.7442,
220.3315, 105.6785

 15.5537, 22.8760,
2.9527

220.0162,
267.0873, 135.7559

 9.2977, 14.5019,
1.0705

265.8945,
320.0297, 171.0588

 4.9946, 8.4706,
0.0000

317.7446,

 2.2788, 4.3975,

379.5431, 212.0058

0.0000

375.9316,
446.0119, 259.0153

■ 0.7838, 1.8983,
0.0000

■ 0.0000, 0.5474,
0.0000

■ 67.4125, 87.4866,
29.2532

■ 67.4125, 87.4866,
29.2532

■ 64.1569, 85.9533,
22.5516

■ 71.1580, 89.2257,
38.0915

■ 61.3553, 84.6112,
17.8011


■ 75.4246, 91.1833,
49.2241


■ 58.9663, 83.4438,
14.7905

■ 80.2411, 93.3708,
62.7978

■ 56.9392, 82.4306,
13.2576

■ 85.6337, 95.7990,
78.9462

 56.0763, 81.9934,
12.8708

 91.6271, 98.4777,
97.7933

95.0500, 100.0000,
108.9000

Harmonies

Analogous

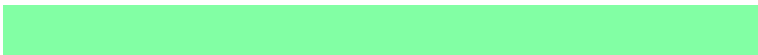
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7996, 87.4866, 24.2529



67.4125, 87.4866, 29.2532



55.9786, 87.4866, 49.2689

Triad

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



67.4125, 87.4866, 29.2532



64.9794, 87.4866, 213.6297



125.3078, 87.4866, 100.0192

Complementary

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



67.4125, 87.4866, 29.2532



37.0175, 25.9314, 97.6620

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.



117.9472, 87.4866, 163.4945



67.4125, 87.4866, 29.2532



81.5286, 87.4866, 242.9079

Square

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



67.4125, 87.4866, 29.2532



54.7317, 87.4866, 152.1381



101.1716, 87.4866, 221.7558



120.0240, 87.4866, 54.6834

Rectangle

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



67.4125, 87.4866, 29.2532



52.3176, 87.4866, 74.2414



101.1716, 87.4866, 221.7558



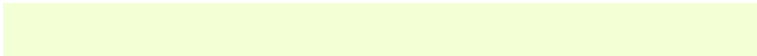
124.2081, 87.4866, 119.9080

Sweetspot

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



67.4127, 87.4867, 29.2544



84.6710, 95.3669, 76.0011



55.4414, 44.8028, 21.6465



17.8854, 20.3056, 15.5471



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.



67.4127, 87.4867, 29.2544



63.9442, 85.8522, 22.1536



50.8128, 78.9291, 28.4775



19.0556, 20.8301, 19.1606



29.4510, 42.9206, 6.7323



2.9718, 4.2328, 0.6604

Inverse Universe

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



37.0175, 25.9314, 97.6620



30.9589, 18.8982, 96.6237



54.2229, 34.8011, 98.4672



17.4622, 17.6145, 22.7295



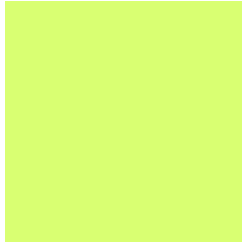
10.8244, 4.4906, 49.7309



1.1527, 0.4882, 4.8467

Previews

White Background



This preview shows how the XYZ color 67.4125, 87.4866, 29.2532 looks on a white background.

Color Contrast Check

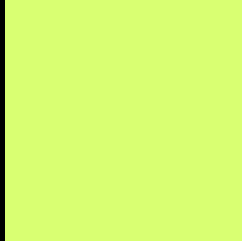
Large Text (above 18pt) WCAG AA × Fail

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 67.4125, 87.4866, 29.2532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

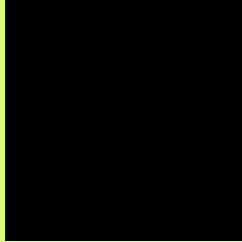
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.4125, 87.4866, 29.2532

Background



This preview shows how black text looks on a background with the XYZ color 67.4125, 87.4866, 29.2532.

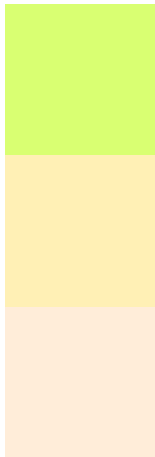


This preview shows how white text looks on a background with the XYZ color 67.4125, 87.4866,

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

67.4125, 87.4866, 29.2532

Protanopia

80.7406, 86.9164, 56.2371

Deuteranopia

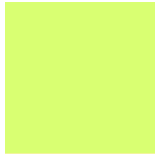
84.0486, 86.8381, 77.9772



Tritanopia

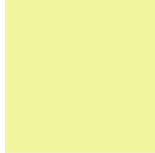
83.4710, 87.2023, 107.0401

Trichromacy



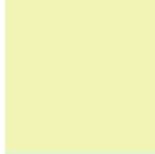
Original Color

67.4125, 87.4866, 29.2532



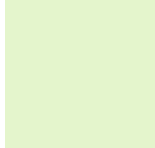
Protanomaly

75.0138, 86.4399, 44.6292



Deuteranomaly

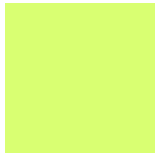
76.8645, 86.6974, 55.8631



Tritanomaly

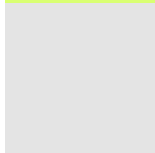
75.5464, 86.1584, 69.7753

Monochromacy



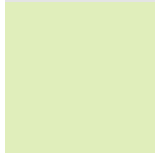
Original Color

67.4125, 87.4866, 29.2532



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.2846, 80.5842, 58.8636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4125, 87.4866, 29.2532 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(217, 255, 114)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 255, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 114) }
```

Border

The CSS property to change the border of an element to XYZ 67.4125, 87.4866, 29.2532 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(217, 255, 114) }
```


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

```
.border{ border-color:rgb(217, 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(217, 255, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 255, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 255, 114);  
box-shadow:4px 4px 4px 4px rgb(217, 255,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4125, 87.4866, 29.2532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 114) }
```

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

```
.background{ background-color: rgb(217,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor