

Converting Colors

XYZ(68.2272, 87.7510, 36.3188)

Have a look what the booklet for
XYZ(68.2272, 87.7510, 36.3188)
contains.

XYZ(68.1575, 87.7163, 36.2603)	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(68.1575, 87.7163,
36.2603)**

Conversions

Conversions Part 1

Format	Color
Hex	D7FF87
RGB	215, 255, 135
RGB Percent	84%, 100%, 53%
CMY	0.1569, 0.0000, 0.4706
CMYK	0.16, 0.00, 0.47, 0.00
HSL	80°, 100%, 76%
HSV	80°, 47%, 100%
XYZ	68.1575, 87.7163, 36.2603
YIQ	229.3600, 14.6800, -45.8000

Conversions

Conversions Part 2

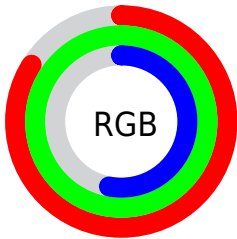
Format	Color
RYB	135, 255, 175
Decimal	14155655
CIELab	95.04, -31.09, 52.82
CIELCh	95, 61.292, 120.480
Yxy	87.7163, 0.3547, 0.4565
Android (android.graphics.Color)	4292345735 (0xFFD7FF87)
YUV	229.3600, -46.5195, -12.5937
Hunter-Lab	93.6570, -33.9989, 42.6051

Details

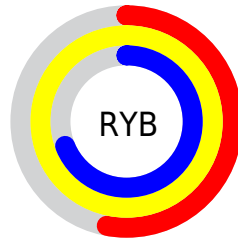
The XYZ color **68.1575, 87.7163, 36.2603** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.3943, 33.6632, 98.7655**, and the grayscale version is **75.0653, 78.9745, 86.0033**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **35.8176, 48.2665, 15.4112** is the 20% darker color. If you saturate the color by 10%, you get **64.1401, 85.8285, 27.7965**, and if you desaturate by 10%, it is **72.7351, 89.8433, 46.9969**.

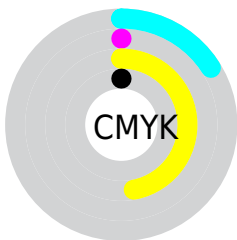
Distribution



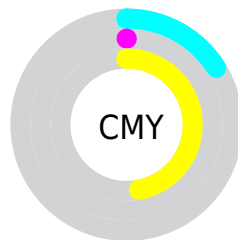
- Red (84%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (69%)



- Cyan (16%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.1575, 87.7163, 36.2603 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 68.1575, 87.7163, 36.2603 by changing the saturation by 10% instead.


 68.1575, 87.7163,
36.2603

 68.1575, 87.7163,
36.2603


443.4218,
520.5737, 345.1686


 50.3000, 66.0881,
24.3440


 115.6181,
144.1621, 70.6072

 35.8706, 48.3440,
15.3745


 145.9519,
179.7486, 93.8749

 24.5039, 34.0994,
8.9331


 181.1753,
220.7566, 121.7635

 15.8346, 22.9699,
4.6013

221.6535,
267.5705, 154.6915

 9.4973, 14.5713,
1.9607

267.7518,
320.5748, 193.0775

 5.1266, 8.5191,
0.5310

319.8358,

 2.3573, 4.4289,

380.1539, 237.3400

0.0000

378.2707,
446.6920, 287.8975

■ 0.8237, 1.9162,
0.0000

■ 0.0000, 0.5581,
0.0000

■ 68.1575, 87.7163,
36.2603

■ 68.1575, 87.7163,
36.2603

■ 64.1401, 85.8285,
27.7965

■ 72.7351, 89.8433,
46.9969

■ 60.6490, 84.1659,
21.4373

■ 77.9022, 92.2212,
60.1508

■ 57.6470, 82.7134,
16.9974

■ 83.6865, 94.8615,
75.8587

■ 55.0904, 81.4535,
14.2576

■ 90.1138, 97.7745,
94.2461

■ 52.9241, 80.3637, 95.0500, 100.0000,
12.9378 108.9000

■ 52.3371, 80.0658,
12.6958

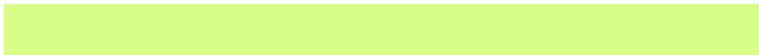
Harmonies

Analogous

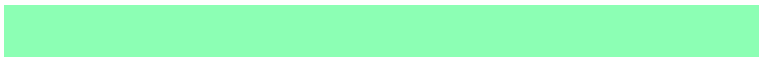
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1034, 87.7163, 30.0130



68.1575, 87.7163, 36.2603



58.4907, 87.7163, 57.0657

Triad

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



68.1575, 87.7163, 36.2603



68.5650, 87.7163, 199.6325



119.6763, 87.7163, 94.7410

Complementary

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



68.1575, 87.7163, 36.2603



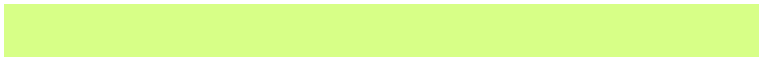
44.3943, 33.6632, 98.7655

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.



114.4645, 87.7163, 148.2096



68.1575, 87.7163, 36.2603



83.6406, 87.7163, 219.7329

Square

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



68.1575, 87.7163, 36.2603



58.7030, 87.7163, 150.0025



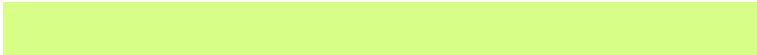
100.6966, 87.7163, 198.3777



114.1330, 87.7163, 56.1258

Rectangle

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



68.1575, 87.7163, 36.2603



55.6049, 87.7163, 81.1266



100.6966, 87.7163, 198.3777



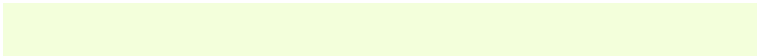
119.1174, 87.7163, 111.4962

Sweetspot

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



68.1578, 87.7164, 36.2615



85.5823, 95.7227, 81.1908



60.9438, 53.6702, 30.0702



18.0304, 20.3579, 16.5672



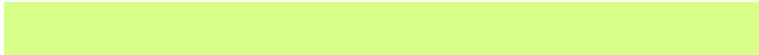
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

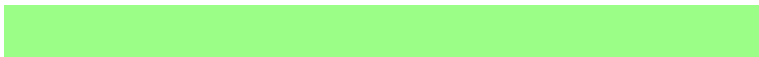
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.1578, 87.7164, 36.2615



64.5395, 86.0172, 28.5891



53.6515, 80.2382, 35.5827



18.9384, 20.7697, 19.1551



27.5122, 41.9211, 6.6415



2.7947, 4.1415, 0.6521

Inverse Universe

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



44.3943, 33.6632, 98.7655



38.3237, 26.3056, 97.6654



60.9756, 42.2111, 99.5415



17.5735, 17.6718, 22.7347



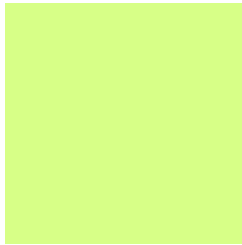
11.5297, 4.8543, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 68.1575, 87.7163, 36.2603 looks on a white background.

Color Contrast Check

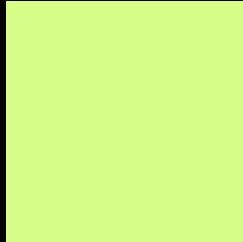
Large Text (above 18pt) WCAG AA × Fail

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 68.1575, 87.7163, 36.2603 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

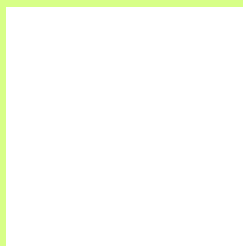
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.1575, 87.7163, 36.2603

Background



This preview shows how black text looks on a background with the XYZ color 68.1575, 87.7163, 36.2603.

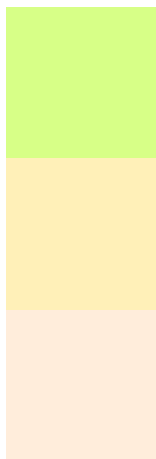


This preview shows how white text looks on a background with the XYZ color 68.1575, 87.7163,

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

68.1575, 87.7163, 36.2603

Protanopia

81.0518, 87.0409, 57.8761

Deuteranopia

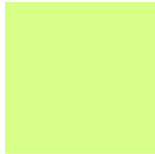
84.3104, 86.9428, 79.3558



Tritanopia

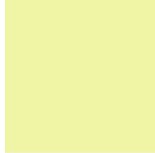
83.4370, 87.6230, 107.1231

Trichromacy



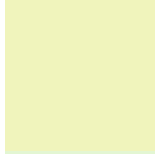
Original Color

68.1575, 87.7163, 36.2603



Protanomaly

75.4705, 86.5833, 48.8109



Deuteranomaly

77.3630, 86.8575, 60.2647



Tritanomaly

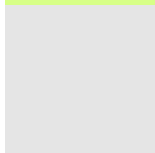
76.3922, 86.9456, 74.3839

Monochromacy



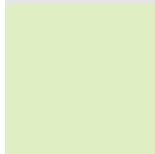
Original Color

68.1575, 87.7163, 36.2603



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.1653, 80.9365, 63.5013

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.1575, 87.7163, 36.2603 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(215, 255, 135)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 135)  
}
```

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(215, 255, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 135) }
```

Border

The CSS property to change the border of an element to XYZ 68.1575, 87.7163, 36.2603 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(215, 255, 135) }
```


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

```
.border{ border-color:rgb(215, 255, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 135);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 68.1575, 87.7163, 36.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 135) }
```

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

```
.background{ background-color: rgb(215,  
255, 135) }
```

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