

Converting Colors

XYZ(115.3548, 182.6427,
59.9979)

Have a look what the booklet for
XYZ(115.3548, 182.6427, 59.9979)
contains.

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Color

**XYZ(67.6888, 87.2965,
44.2927)**

Conversions

Conversions Part 1

Format	Color
Hex	D0FF9B
RGB	208, 255, 155
RGB Percent	82%, 100%, 61%
CMY	0.1843, 0.0000, 0.3921
CMYK	0.18, 0.00, 0.39, 0.00
HSL	88°, 100%, 80%
HSV	88°, 39%, 100%
XYZ	67.6888, 87.2965, 44.2927
YIQ	229.5470, 4.0880, -41.0640

Conversions

Conversions Part 2

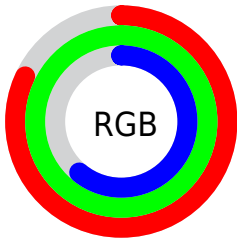
Format	Color
RYB	155, 255, 202
Decimal	13696923
CIELab	94.86, -31.35, 42.95
CIELCh	95, 53.180, 126.127
Yxy	87.2965, 0.3397, 0.4381
Android (android.graphics.Color)	4291887003 (0xFFD0FF9B)
YUV	229.5470, -36.7517, -18.8967
Hunter-Lab	93.4326, -34.1897, 37.2958

Details

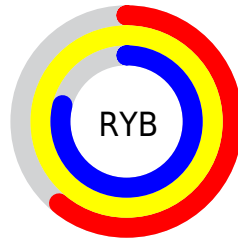
The XYZ color **67.6888, 87.2965, 44.2927** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **54.1297, 43.2206, 100.0972**, and the grayscale version is **75.1392, 79.0523, 86.0879**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **35.5413, 48.0229, 19.9665** is the 20% darker color. If you saturate the color by 10%, you get **62.5248, 84.8561, 34.0280**, and if you desaturate by 10%, it is **73.5604, 90.0492, 56.9533**.

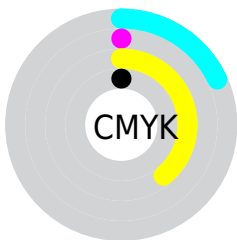
Distribution



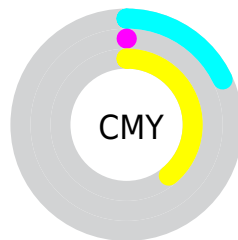
- Red (82%)
- Green (100%)
- Blue (61%)



- Red (61%)
- Yellow (100%)
- Blue (79%)



- Cyan (18%)
- Magenta (0%)
- Yellow (39%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6888, 87.2965, 44.2927 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 67.6888, 87.2965, 44.2927 by changing the saturation by 10% instead.

 67.6888, 87.2965,
44.2927


 67.6888, 87.2965,
44.2927


441.7867,
519.1967, 379.9776

 49.9174, 65.7406,
30.5618


 114.9512,
143.5773, 82.9652

 35.5653, 48.0619,
20.0097


 145.1729,
179.0711, 108.7438

 24.2672, 33.8759,
12.2180


180.2753,
219.9795, 139.3755

 15.6577, 22.7983,
6.7680

220.6239,
266.6871, 175.2787

 9.3716, 14.4446,
3.2412

266.5839,
319.5782, 216.8719

 5.0434, 8.4305,
1.2191

318.5209,

 2.3078, 4.3717,

379.0373, 264.5738

0.0000

376.8000,
445.4486, 318.8029

■ 0.7986, 1.8836,
0.0000

■ 0.0000, 0.5385,
0.0000

■ 67.6888, 87.2965,
44.2927

■ 67.6888, 87.2965,
44.2927

■ 62.5248, 84.8561,
34.0280

■ 73.5604, 90.0492,
56.9533

■ 58.0331, 82.7135,
26.0041

■ 80.1702, 93.1273,
72.1443

■ 54.1762, 80.8530,
20.0534

■ 87.5479, 96.5432,
89.9947

■ 50.9116, 79.2567,
15.9833

95.0500, 100.0000,
108.9000

■ 48.1898, 77.9042,
13.5648

■ 45.9387, 76.7660,
12.4536

■ 45.7753, 76.6831,
12.3887

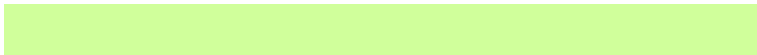
Harmonies

Analogous

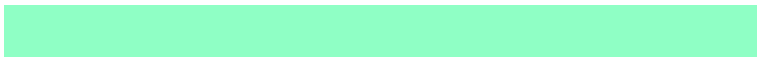
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0511, 87.2965, 35.9783



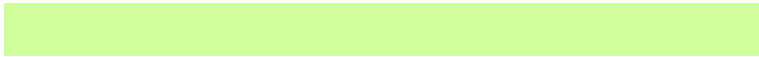
67.6888, 87.2965, 44.2927



60.1318, 87.2965, 66.4229

Triad

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



67.6888, 87.2965, 44.2927



72.2590, 87.2965, 187.6205



113.6760, 87.2965, 86.8326

Complementary

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



67.6888, 87.2965, 44.2927



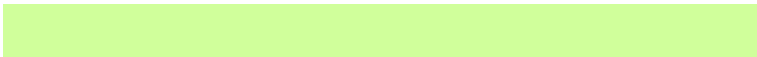
54.1297, 43.2206, 100.0972

Split Complementary

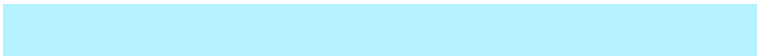
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.9694, 87.2965, 130.9098



67.6888, 87.2965, 44.2927



85.9645, 87.2965, 197.7656

Square

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



67.6888, 87.2965, 44.2927



62.5489, 87.2965, 149.9166



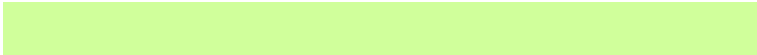
100.3998, 87.2965, 174.6094



107.4190, 87.2965, 55.5301

Rectangle

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



67.6888, 87.2965, 44.2927



58.2898, 87.2965, 89.7923



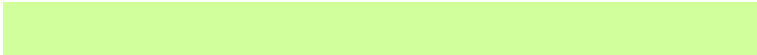
100.3998, 87.2965, 174.6094



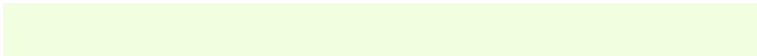
113.7931, 87.2965, 100.5112

Sweetspot

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



67.6891, 87.2966, 44.2940



85.4141, 95.5571, 84.7483



68.1994, 65.7122, 40.1008



18.0725, 20.3561, 17.6287



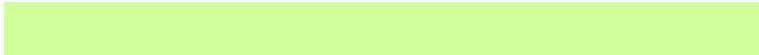
0.0000, 0.0000, 0.0000



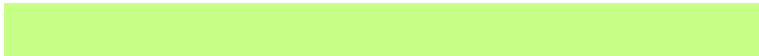
20.3446, 21.4041, 23.3091

Same Dimension

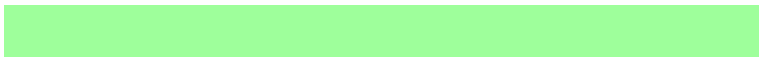
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.6891, 87.2966, 44.2940



63.6092, 85.3704, 36.1027



55.8434, 81.1899, 43.7396



18.6907, 20.6420, 19.1435



24.0926, 40.1583, 6.4815



2.4720, 3.9751, 0.6370

Inverse Universe

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



54.1297, 43.2206, 100.0972



48.3419, 35.7287, 98.9562



69.7961, 51.2969, 100.8304



17.8148, 17.7963, 22.7460



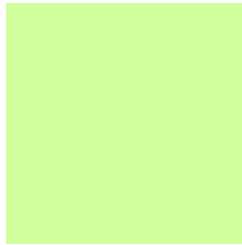
13.6373, 5.9407, 49.8625



1.4527, 0.6428, 4.8608

Previews

White Background



This preview shows how the XYZ color 67.6888, 87.2965, 44.2927 looks on a white background.

Color Contrast Check

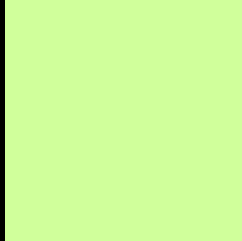
Large Text (above 18pt) WCAG AA × Fail

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 67.6888, 87.2965, 44.2927 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

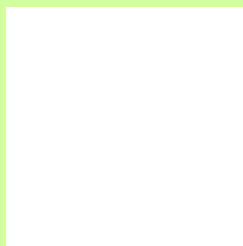
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.6888, 87.2965, 44.2927

Background



This preview shows how black text looks on a background with the XYZ color 67.6888, 87.2965, 44.2927.

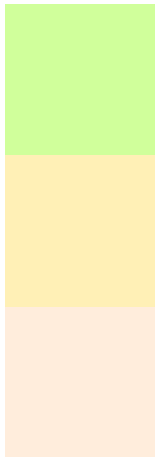


This preview shows how white text looks on a background with the XYZ color 67.6888, 87.2965,

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

67.6888, 87.2965, 44.2927

Protanopia

80.8436, 86.9576, 56.7795

Deuteranopia

84.4425, 86.9957, 80.0514



Tritanopia

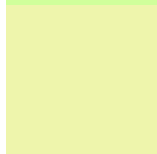
81.5002, 86.6246, 107.0324

Trichromacy



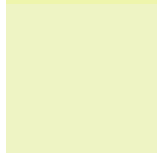
Original Color

67.6888, 87.2965, 44.2927



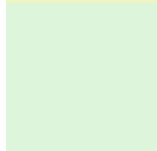
Protanomaly

75.3587, 86.4605, 51.7464



Deuteranomaly

77.5744, 86.8640, 64.9024



Tritanomaly

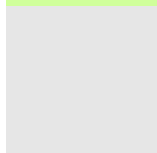
75.5607, 86.3982, 79.7119

Monochromacy



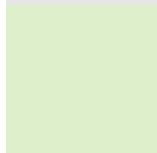
Original Color

67.6888, 87.2965, 44.2927



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.7702, 81.5744, 68.4627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6888, 87.2965, 44.2927 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(208, 255, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 255, 155) }
```

Border

The CSS property to change the border of an element to XYZ 67.6888, 87.2965, 44.2927 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, 155) }
```


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

```
.border{ border-color:rgb(208, 255, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 255, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 255, 155);  
box-shadow:4px 4px 4px 4px rgb(208, 255,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6888, 87.2965, 44.2927 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, 155) }
```

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

```
.background{ background-color: rgb(208,  
255, 155) }
```

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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