

Converting Colors

XYZ(68.3557, 87.7885, 37.6284)

Have a look what the booklet for
XYZ(68.3557, 87.7885, 37.6284)
contains.

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Color

**XYZ(68.4445, 87.8312,
37.7718)**

Conversions

Conversions Part 1

Format	Color
Hex	D7FF8B
RGB	215, 255, 139
RGB Percent	84%, 100%, 55%
CMY	0.1569, 0.0000, 0.4549
CMYK	0.16, 0.00, 0.45, 0.00
HSL	81°, 100%, 77%
HSV	81°, 45%, 100%
XYZ	68.4445, 87.8312, 37.7718
YIQ	229.8160, 13.3960, -44.5560

Conversions

Conversions Part 2

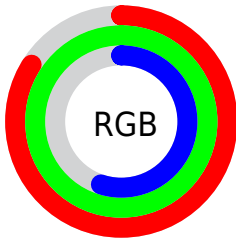
Format	Color
RYB	139, 255, 179
Decimal	14155659
CIELab	95.09, -30.67, 51.01
CIELCh	95, 59.517, 121.020
Yxy	87.8312, 0.3527, 0.4526
Android (android.graphics.Color)	4292345739 (0xFFD7FF8B)
YUV	229.8160, -44.7723, -12.9936
Hunter-Lab	93.7183, -33.6446, 41.7068

Details

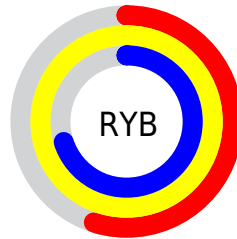
The XYZ color **68.4445, 87.8312, 37.7718** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.8743, 35.2703, 98.9977**, and the grayscale version is **75.3907, 79.3169, 86.3761**.

A 20% lighter version of the original color is **86.7376, 96.6750, 65.1275**, and **35.9743, 48.3292, 16.2365** is the 20% darker color. If you saturate the color by 10%, you get **64.2800, 85.8750, 28.9594**, and if you desaturate by 10%, it is **73.1828, 90.0328, 48.8816**.

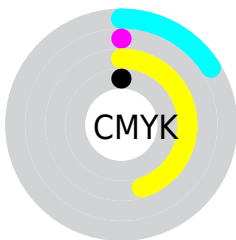
Distribution



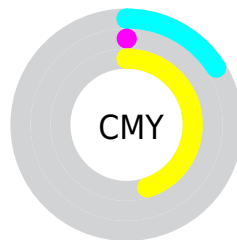
- Red (84%)
- Green (100%)
- Blue (55%)



- Red (55%)
- Yellow (100%)
- Blue (70%)



- Cyan (16%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.4445, 87.8312, 37.7718 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 68.4445, 87.8312, 37.7718 by changing the saturation by 10% instead.


 68.4445, 87.8312,
37.7718

 68.4445, 87.8312,
37.7718


444.4214,
520.9503, 351.9088


 50.5344, 66.1833,
25.5052


 116.0262,
144.3221, 72.9578

 36.0578, 48.4212,
16.2314


 146.4286,
179.9339, 96.7142

 24.6491, 34.1606,
9.5319

 181.7258,
220.9691, 125.1376

 15.9432, 23.0170,
4.9882

222.2831,
267.8122, 158.6466

 9.5745, 14.6060,
2.1817

268.4660,
320.8474, 197.6597

 5.1779, 8.5434,
0.6638

320.6398,

 2.3878, 4.4446,

380.4592, 242.5954

0.0000

379.1698,
447.0321, 293.8722

0.8390, 1.9252,
0.0000

0.0000, 0.5635,
0.0000

68.4445, 87.8312,
37.7718

68.4445, 87.8312,
37.7718

64.2800, 85.8750,
28.9594

73.1828, 90.0328,
48.8816

60.6559, 84.1508,
22.2790

78.5241, 92.4920,
62.4311

57.5354, 82.6436,
17.5495

84.4960, 95.2199,
78.5554

54.8759, 81.3360,
14.5577

91.1242, 98.2271,
97.3786

■ 52.6251, 80.2070, 95.0500, 100.0000,
13.0400 108.9000

■ 51.7103, 79.7427,
12.6665

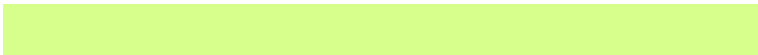
Harmonies

Analogous

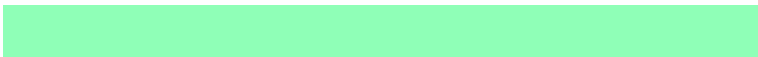
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9278, 87.8312, 31.3223



68.4445, 87.8312, 37.7718



59.1032, 87.8312, 58.6163

Triad

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



68.4445, 87.8312, 37.7718



69.2890, 87.8312, 196.7423



118.6331, 87.8312, 94.0544

Complementary

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



68.4445, 87.8312, 37.7718



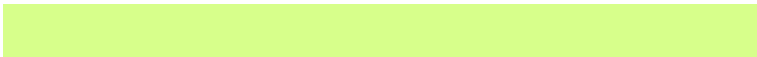
45.8743, 35.2703, 98.9977

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.



113.7805, 87.8312, 145.6560



68.4445, 87.8312, 37.7718



84.0365, 87.8312, 215.3319

Square

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



68.4445, 87.8312, 37.7718



59.5447, 87.8312, 149.3264



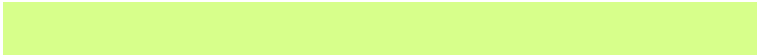
100.5725, 87.8312, 194.1855



113.1004, 87.8312, 56.6545

Rectangle

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



68.4445, 87.8312, 37.7718



56.3540, 87.8312, 82.3822



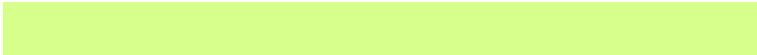
100.5725, 87.8312, 194.1855



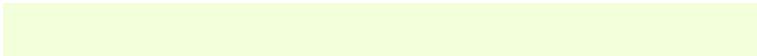
118.1577, 87.8312, 110.2340

Sweetspot

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



68.4447, 87.8312, 37.7730



85.4407, 95.6497, 81.1841



61.7550, 54.8333, 31.7564



17.9958, 20.3401, 16.5656



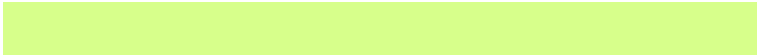
0.0000, 0.0000, 0.0000



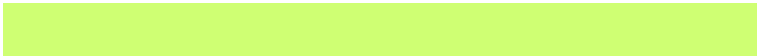
20.3446, 21.4041, 23.3091

Same Dimension

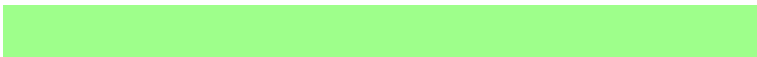
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.4447, 87.8312, 37.7730



64.4708, 85.9651, 29.3393



54.5872, 80.6874, 37.1245



18.9174, 20.7589, 19.1541



27.1866, 41.7533, 6.6263



2.7647, 4.1260, 0.6507

Inverse Universe

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



45.8743, 35.2703, 98.9977



39.2798, 27.2231, 97.7920



61.7648, 43.4621, 99.7414



17.5936, 17.6822, 22.7357



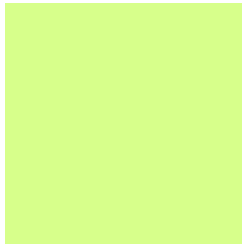
11.6749, 4.9291, 49.7707



1.2488, 0.5377, 4.8512

Previews

White Background



This preview shows how the XYZ color 68.4445, 87.8312, 37.7718 looks on a white background.

Color Contrast Check

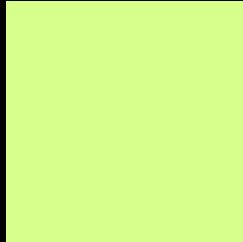
Large Text (above 18pt) WCAG AA × Fail

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 68.4445, 87.8312, 37.7718 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

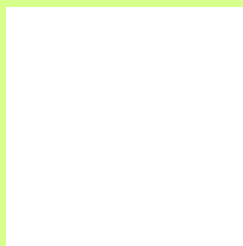
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.4445, 87.8312, 37.7718

Background



This preview shows how black text looks on a background with the XYZ color 68.4445, 87.8312, 37.7718.

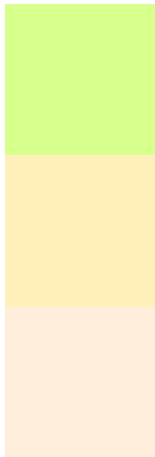


This preview shows how white text looks on a background with the XYZ color 68.4445, 87.8312,

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

68.4445, 87.8312, 37.7718

Protanopia

81.1570, 87.0830, 58.4302

Deuteranopia

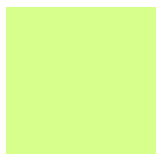
84.7328, 87.5764, 80.1482



Tritanopia

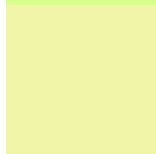
83.4370, 87.6230, 107.1231

Trichromacy



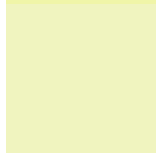
Original Color

68.4445, 87.8312, 37.7718



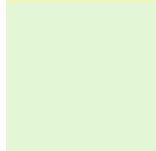
Protanomaly

75.6555, 86.6572, 49.7848



Deuteranomaly

77.6898, 86.9882, 61.9859



Tritanomaly

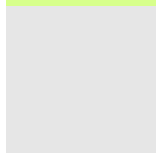
76.6446, 87.0465, 75.7129

Monochromacy



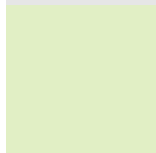
Original Color

68.4445, 87.8312, 37.7718



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

71.9959, 81.7718, 64.8123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.4445, 87.8312, 37.7718 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 139) }
```

Border

The CSS property to change the border of an element to XYZ 68.4445, 87.8312, 37.7718 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, 139) }
```


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

```
.border{ border-color:rgb(215, 255, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 139);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 68.4445, 87.8312, 37.7718 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, 139) }
```

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

```
.background{ background-color: rgb(215,  
255, 139) }
```

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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