

Converting Colors

XYZ(69.5587, 84.0681, 44.9084)

Have a look what the booklet for
XYZ(69.5587, 84.0681, 44.9084)
contains.

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Color

**XYZ(69.5587, 84.0681,
44.9084)**

Conversions

Conversions Part 1

Format	Color
Hex	DFF69E
RGB	223, 246, 158
RGB Percent	87%, 96%, 62%
CMY	0.1255, 0.0353, 0.3804
CMYK	0.09, 0.00, 0.36, 0.04
HSL	76°, 83%, 79%
HSV	76°, 36%, 96%
XYZ	69.5587, 84.0681, 44.9084
YIQ	229.0910, 14.5400, -32.2440

Conversions

Conversions Part 2

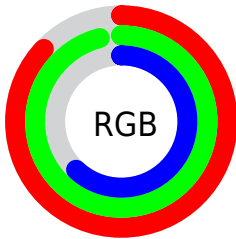
Format	Color
RYB	158, 246, 181
Decimal	14677662
CIELab	93.48, -21.31, 39.88
CIELCh	93, 45.223, 118.120
Yxy	84.0681, 0.3504, 0.4234
Android (android.graphics.Color)	4292867742 (0xFFDFF69E)
YUV	229.0910, -35.0479, -5.3418
Hunter-Lab	91.6887, -25.0379, 35.1423

Details

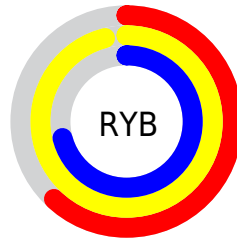
The XYZ color **69.5587, 84.0681, 44.9084** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.9208, 40.9336, 92.5688**, and the grayscale version is **74.7874, 78.6821, 85.6848**.

A 20% lighter version of the original color is **89.0102, 97.5841, 77.0951**, and **36.8996, 46.0623, 20.3107** is the 20% darker color. If you saturate the color by 10%, you get **65.7064, 82.3055, 34.7597**, and if you desaturate by 10%, it is **73.9144, 86.0466, 57.2965**.

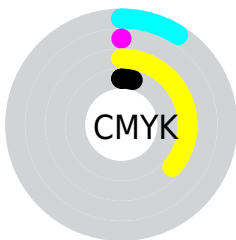
Distribution



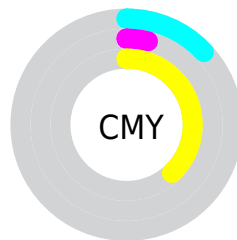
- Red (87%)
- Green (96%)
- Blue (62%)



- Red (62%)
- Yellow (96%)
- Blue (71%)



- Cyan (9%)
- Magenta (0%)
- Yellow (36%)
- Black (4%)



- Cyan (13%)
- Magenta (4%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.5587, 84.0681, 44.9084 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 69.5587, 84.0681, 44.9084 by changing the saturation by 10% instead.


 69.5587, 84.0681,
44.9084


 69.5587, 84.0681,
44.9084

448.2896,
508.5394, 382.5518

 51.4451, 63.0717,
31.0429


 117.6089,
139.0704, 83.8999

 36.7855, 45.8992,
20.3727


 148.2763,
173.8451, 109.8630

 25.2144, 32.1663,
12.4795


183.8590,
213.9813, 140.6957

 16.3664, 21.4885,
6.9447

224.7223,
259.8635, 176.8165

 9.8763, 13.4816,
3.3496

271.2317,
311.8760, 218.6439

 5.3786, 7.7610,
1.2758

323.7525,

 2.5081, 3.9424,

370.4032, 266.5966

0.0418

382.6500,
435.8295, 321.0930

0.8994, 1.6414,
0.0000

0.0000, 0.3853,
0.0000

69.5587, 84.0681,
44.9084

69.5587, 84.0681,
44.9084

65.7064, 82.3055,
34.7597

73.9144, 86.0466,
57.2965

62.3248, 80.7369,
26.7109

78.7914, 88.2394,
72.0414

59.3872, 79.3544,
20.6157

84.2140, 90.6594,
89.2588

56.8609, 78.1447,
16.3063

89.9763, 93.2243,
107.8596

■ 54.7077, 77.0927,
13.5871

■ 92.2476, 94.3951,
107.9659

■ 52.8809, 76.1794,
12.2157

■ 52.1770, 75.8231,
11.8853

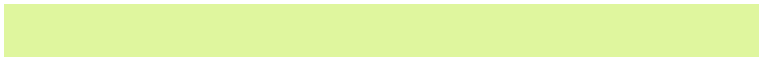
Harmonies

Analogous

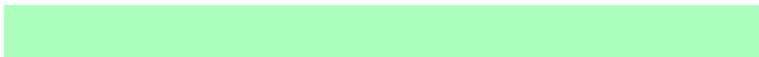
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6602, 84.0681, 40.2694



69.5587, 84.0681, 44.9084



61.9417, 84.0681, 61.0004

Triad

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



69.5587, 84.0681, 44.9084



68.3754, 84.0681, 159.5381



105.1332, 84.0681, 93.7112

Complementary

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



69.5587, 84.0681, 44.9084



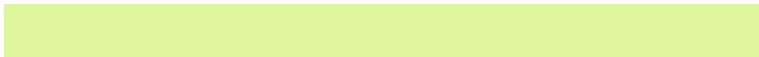
47.9208, 40.9336, 92.5688

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.



101.0415, 84.0681, 130.8644



69.5587, 84.0681, 44.9084



79.1530, 84.0681, 174.2923

Square

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



69.5587, 84.0681, 44.9084



61.3079, 84.0681, 126.1773



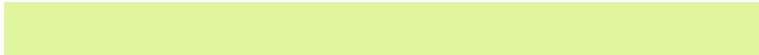
91.2278, 84.0681, 162.6844



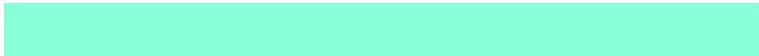
101.9253, 84.0681, 63.8972

Rectangle

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



69.5587, 84.0681, 44.9084



59.4665, 84.0681, 78.6491



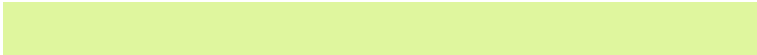
91.2278, 84.0681, 162.6844



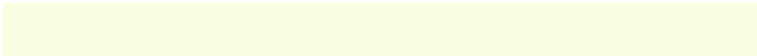
104.5583, 84.0681, 105.7586

Sweetspot

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



69.5608, 84.0718, 44.9102



88.2117, 96.9590, 86.7026



60.5019, 54.7065, 39.7196



18.7115, 20.6775, 18.0222



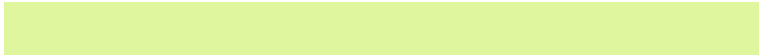
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

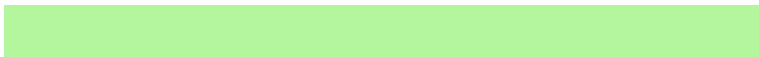
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5608, 84.0718, 44.9102



72.3672, 89.7982, 40.4484



57.9525, 78.0876, 44.3669



17.4672, 19.0829, 17.5603



27.9870, 40.5406, 6.3501



2.5557, 3.6126, 0.5626

Inverse Universe

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



47.9208, 40.9336, 92.5688



45.6878, 36.5783, 99.2600



59.6048, 46.9569, 93.1156



15.9873, 16.1361, 20.8145



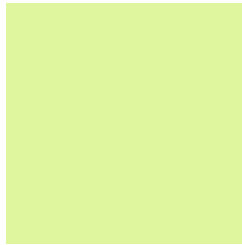
10.1293, 4.1962, 46.8141



0.9828, 0.4165, 4.1188

Previews

White Background



This preview shows how the XYZ color 69.5587, 84.0681, 44.9084 looks on a white background.

Color Contrast Check

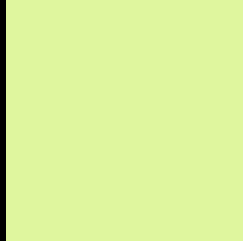
Large Text (above 18pt) WCAG AA × Fail

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 69.5587, 84.0681, 44.9084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

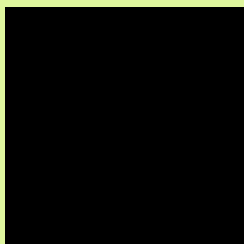
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

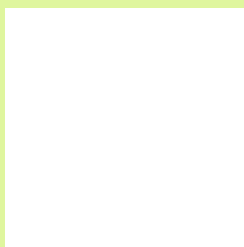
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5587, 84.0681, 44.9084

Background



This preview shows how black text looks on a background with the XYZ color 69.5587, 84.0681, 44.9084.

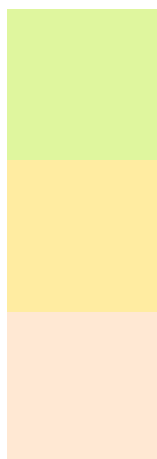


This preview shows how white text looks on a background with the XYZ color 69.5587, 84.0681,

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

69.5587, 84.0681, 44.9084

Protanopia

77.6685, 83.8241, 45.8043

Deuteranopia

81.8545, 83.6764, 73.4650



Tritanopia

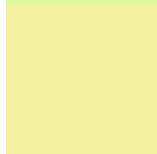
81.4134, 83.5997, 104.7739

Trichromacy



Original Color

69.5587, 84.0681, 44.9084



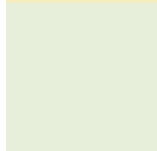
Protanomaly

74.4674, 83.9129, 45.5297



Deuteranomaly

76.7608, 83.4288, 61.9268



Tritanomaly

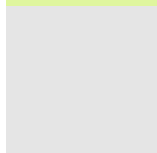
76.1844, 83.2000, 78.3735

Monochromacy



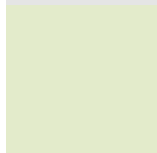
Original Color

69.5587, 84.0681, 44.9084



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.1664, 80.0594, 68.1493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5587, 84.0681, 44.9084 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(223, 246, 158)` looks like.

```
.text, #text, p{  
    color:rgb(223, 246, 158)  
}
```

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(223, 246, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 246, 158) }
```

Border

The CSS property to change the border of an element to XYZ 69.5587, 84.0681, 44.9084 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(223, 246, 158) }
```


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

```
.border{ border-color:rgb(223, 246, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 246, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 246, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 246, 158);  
box-shadow:4px 4px 4px 4px rgb(223, 246,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5587, 84.0681, 44.9084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 246, 158) }
```

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

```
.background{ background-color: rgb(223,  
246, 158) }
```

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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