

Converting Colors

XYZ(63.1937, 84.4479, 68.0850)

Have a look what the booklet for
XYZ(63.1937, 84.4479, 68.0850)
contains.

XYZ(63.3159, 84.5077, 68.2329)	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(63.3159, 84.5077,
68.2329)**

Conversions

Conversions Part 1

Format	Color
Hex	ACFFC9
RGB	172, 255, 201
RGB Percent	67%, 100%, 79%
CMY	0.3255, 0.0000, 0.2118
CMYK	0.33, 0.00, 0.21, 0.00
HSL	141°, 100%, 84%
HSV	141°, 33%, 100%
XYZ	63.3159, 84.5077, 68.2329
YIQ	224.0270, -32.1340, -34.3900

Conversions

Conversions Part 2

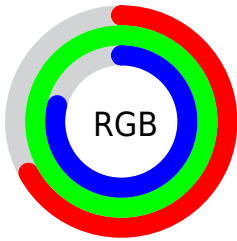
Format	Color
RYB	172, 234, 255
Decimal	11337673
CIELab	93.67, -36.04, 17.94
CIElCh	94, 40.257, 153.539
Yxy	84.5077, 0.2931, 0.3911
Android (android.graphics.Color)	4289527753 (0xFFACFFC9)
YUV	224.0270, -11.3523, -45.6277
Hunter-Lab	91.9281, -37.9314, 20.3421

Details

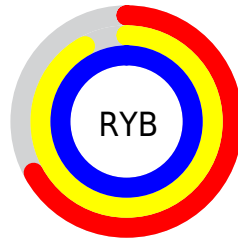
The XYZ color **63.3159, 84.5077, 68.2329** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **69.7204, 56.2568, 79.1353**, and the grayscale version is **70.9656, 74.6614, 81.3062**.

A 20% lighter version of the original color is **86.1231, 95.3980, 108.4822**, and **32.7967, 46.2767, 34.8075** is the 20% darker color. If you saturate the color by 10%, you get **56.3985, 81.1551, 58.2662**, and if you desaturate by 10%, it is **71.5192, 88.4988, 79.3628**.

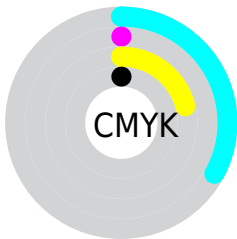
Distribution



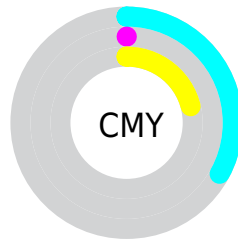
- Red (67%)
- Green (100%)
- Blue (79%)



- Red (67%)
- Yellow (92%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.3159, 84.5077, 68.2329 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 63.3159, 84.5077, 68.2329 by changing the saturation by 10% instead.


 63.3159, 84.5077,
68.2329

 63.3159, 84.5077,
68.2329


426.3565,
509.9977, 472.9412

 46.3564, 63.4347,
49.6194


 108.7044,
139.6852, 118.3426

 32.7330, 46.1930,
34.7420


137.8641,
174.5584, 150.6759

 22.0802, 32.3981,
23.1822


171.8213,
214.8005, 188.4195

 14.0328, 21.6658,
14.5216

210.9413,
260.7958, 231.9919

 8.2253, 13.6115,
8.3414

255.5894,
312.9288, 281.8118

 4.2925, 7.8510,
4.2233

306.1311,

 1.8689, 3.9997,

371.5839, 338.2976

1.7486

362.9317,
437.1453, 401.8679

■ 0.5587, 1.6734,
0.3937

■ 0.0000, 0.4064,
0.0000

■ 63.3159, 84.5077,
68.2329

■ 63.3159, 84.5077,
68.2329

■ 56.3985, 81.1551,
58.2662

■ 71.5192, 88.4988,
79.3628

■ 50.6968, 78.4056,
49.4207

■ 81.0696, 93.1593,
91.6881

■ 46.1364, 76.2218,
41.6577

■ 92.0264, 98.5190,
105.2446

■ 42.6339, 74.5614,
34.9345

95.0500, 100.0000,
108.9000

■ 40.0935, 73.3759,
29.2055

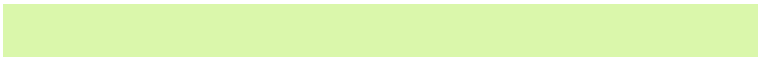
■ 38.4003, 72.6071,
24.4216

■ 37.5673, 72.2429,
21.4373

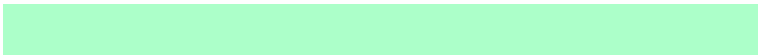
Harmonies

Analogous

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



69.5092, 84.5077, 51.2074



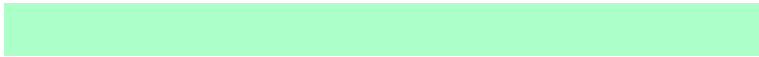
63.3159, 84.5077, 68.2329



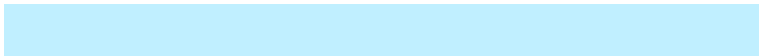
61.5318, 84.5077, 95.6903

Triad

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



63.3159, 84.5077, 68.2329



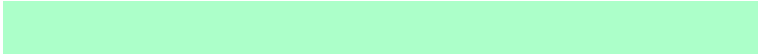
81.5955, 84.5077, 164.0205



98.6693, 84.5077, 63.2133

Complementary

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



63.3159, 84.5077, 68.2329



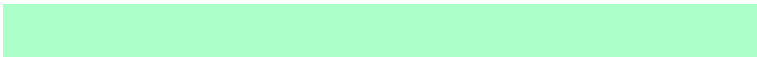
69.7204, 56.2568, 79.1353

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.



102.5941, 84.5077, 88.4341



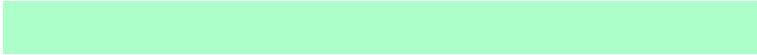
63.3159, 84.5077, 68.2329



92.2018, 84.5077, 150.2073

Square

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



63.3159, 84.5077, 68.2329



71.5208, 84.5077, 155.2933



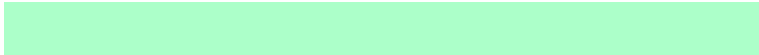
100.1294, 84.5077, 120.7648



89.8173, 84.5077, 48.7919

Rectangle

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



63.3159, 84.5077, 68.2329



62.9393, 84.5077, 117.5382



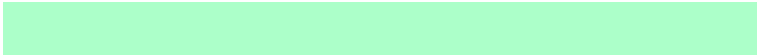
100.1294, 84.5077, 120.7648



100.6425, 84.5077, 70.4823

Sweetspot

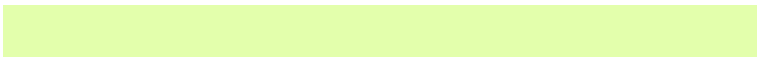
The Sweet Spot groups the original color and five complimentary colors.



63.3166, 84.5080, 68.2343



83.7258, 94.4576, 95.0243



74.9906, 90.8839, 52.6207



17.6048, 20.0633, 19.9432



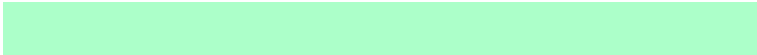
0.0000, 0.0000, 0.0000



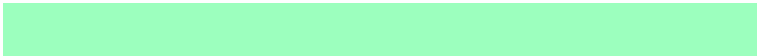
20.3446, 21.4041, 23.3091

Same Dimension

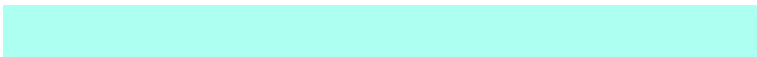
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.3166, 84.5080, 68.2343



58.7103, 82.2739, 61.6726



68.6759, 86.6517, 96.4558



18.0336, 20.2730, 20.4800



19.6932, 37.7739, 11.5358



1.9668, 3.6977, 1.3831

Inverse Universe

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



69.7204, 56.2568, 79.1353



66.0047, 50.0668, 74.0698



64.8383, 54.3040, 53.4268



18.5073, 18.1862, 21.2885



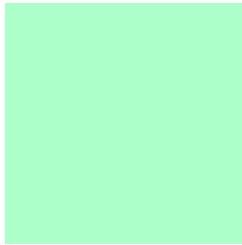
25.2139, 12.5748, 20.3085



2.5067, 1.2451, 2.2498

Previews

White Background



This preview shows how the XYZ color 63.3159, 84.5077, 68.2329 looks on a white background.

Color Contrast Check

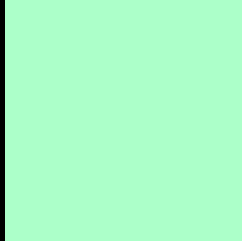
Large Text (above 18pt) WCAG AA × Fail

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 63.3159, 84.5077, 68.2329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

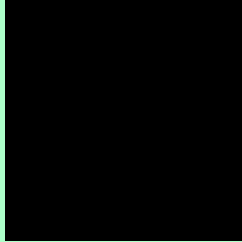
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.3159, 84.5077, 68.2329

Background



This preview shows how black text looks on a background with the XYZ color 63.3159, 84.5077, 68.2329.

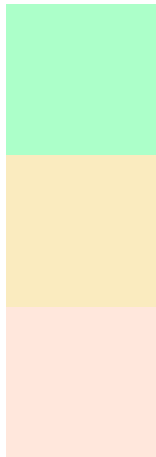


This preview shows how white text looks on a background with the XYZ color 63.3159, 84.5077,

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

63.3159, 84.5077, 68.2329

Protanopia

78.5366, 83.5022, 61.2684

Deuteranopia

82.7342, 83.5791, 79.4820



Tritanopia

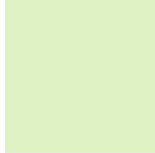
75.2557, 83.8461, 106.8253

Trichromacy



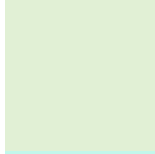
Original Color

63.3159, 84.5077, 68.2329



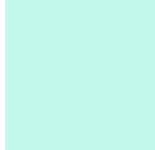
Protanomaly

71.7267, 82.9740, 63.8649



Deuteranomaly

74.2217, 83.1318, 75.0849



Tritanomaly

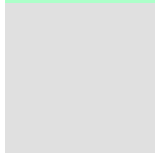
70.5043, 83.9890, 91.0928

Monochromacy



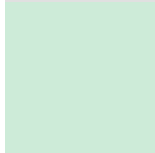
Original Color

63.3159, 84.5077, 68.2329



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.2798, 77.3537, 76.3505

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3159, 84.5077, 68.2329 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(172, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(172, 255, 201)  
}
```

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(172, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 63.3159, 84.5077, 68.2329 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(172, 255, 201) }
```


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

```
.border{ border-color:rgb(172, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(172, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3159, 84.5077, 68.2329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 255, 201) }
```

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

```
.background{ background-color: rgb(172,  
255, 201) }
```

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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