

Converting Colors

XYZ(63.2677, 84.6574, 60.3462)

Have a look what the booklet for
XYZ(63.2677, 84.6574, 60.3462)
contains.

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Color

**XYZ(63.4275, 84.7345,
60.5894)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFBC
RGB	179, 255, 188
RGB Percent	70%, 100%, 74%
CMY	0.2980, 0.0000, 0.2627
CMYK	0.30, 0.00, 0.26, 0.00
HSL	127°, 100%, 85%
HSV	127°, 30%, 100%
XYZ	63.4275, 84.7345, 60.5894
YIQ	224.6380, -23.7890, -36.9490

Conversions

Conversions Part 2

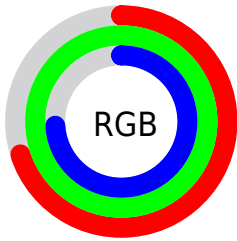
Format	Color
RYB	179, 247, 255
Decimal	11796412
CIELab	93.77, -36.21, 24.75
CIELCh	94, 43.858, 145.641
Yxy	84.7345, 0.3038, 0.4059
Android (android.graphics.Color)	4289986492 (0xFFB3FFBC)
YUV	224.6380, -18.0625, -40.0245
Hunter-Lab	92.0513, -38.0954, 25.4105

Details

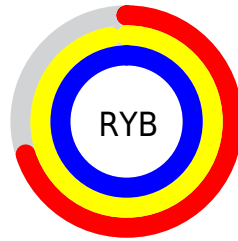
The XYZ color **63.4275, 84.7345, 60.5894** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **73.9948, 60.1546, 94.8991**, and the grayscale version is **71.4456, 75.1663, 81.8561**.

A 20% lighter version of the original color is **86.6812, 95.8845, 99.5269**, and **32.8093, 46.3945, 29.7801** is the 20% darker color. If you saturate the color by 10%, you get **55.8309, 81.0769, 48.5540**, and if you desaturate by 10%, it is **72.4926, 89.1056, 74.6666**.

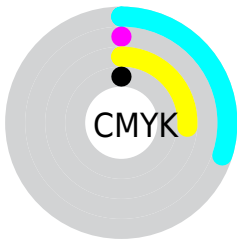
Distribution



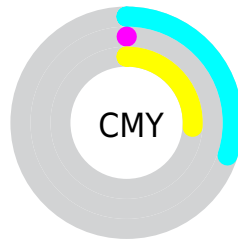
- Red (70%)
- Green (100%)
- Blue (74%)



- Red (70%)
- Yellow (97%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4275, 84.7345, 60.5894 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 63.4275, 84.7345, 60.5894 by changing the saturation by 10% instead.


 63.4275, 84.7345,
60.5894

 63.4275, 84.7345,
60.5894


426.7544,
510.7491, 444.6317

 46.4471, 63.6220,
43.4655

 108.8644,
140.0022, 107.2359

 32.8049, 46.3446,
29.9164


138.0516,
174.9262, 137.5956

 22.1355, 32.5178,
19.5236


172.0384,
215.2228, 173.2043

 14.0737, 21.7573,
11.8686

211.1902,
261.2764, 214.4805

 8.2540, 13.6787,
6.5328

255.8723,
313.4715, 261.8428

 4.3111, 7.8975,
3.0977

306.4502,

 1.8796, 4.0295,

372.1924, 315.7098

1.1447

363.2891,
437.8234, 376.4999

■ 0.5649, 1.6901,
0.0000

■ 0.0000, 0.4172,
0.0000

■ 63.4275, 84.7345,
60.5894

■ 63.4275, 84.7345,
60.5894

■ 55.8309, 81.0769,
48.5540

■ 72.4926, 89.1056,
74.6666

■ 49.6235, 78.0938,
38.4617

■ 83.0962, 94.2243,
90.8699

■ 44.7209, 75.7439,
30.2119

95.0500, 100.0000,
108.9000

■ 41.0292, 73.9812,
23.6931

■ 38.4414, 72.7532,
18.7820

■ 36.8315, 71.9978,
15.3388

■ 36.0089, 71.6203,
13.1980

■ 35.9969, 71.6148,
13.1676

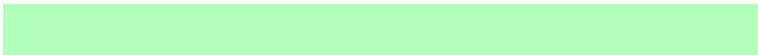
Harmonies

Analogous

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



71.2294, 84.7345, 45.6754



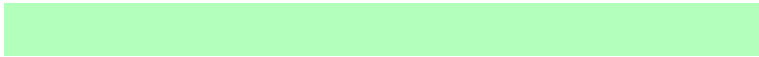
63.4275, 84.7345, 60.5894



60.2063, 84.7345, 87.4718

Triad

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



63.4275, 84.7345, 60.5894



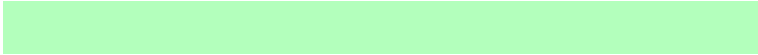
78.8473, 84.7345, 172.1349



102.4630, 84.7345, 67.1954

Complementary

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



63.4275, 84.7345, 60.5894



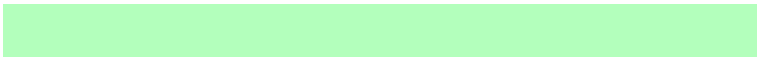
73.9948, 60.1546, 94.8991

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.



104.9971, 84.7345, 97.2229



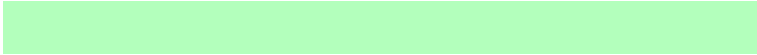
63.4275, 84.7345, 60.5894



90.6233, 84.7345, 163.0093

Square

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



63.4275, 84.7345, 60.5894



68.5473, 84.7345, 155.9878



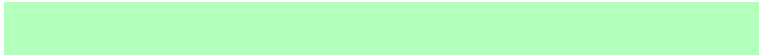
100.4773, 84.7345, 133.4027



93.8505, 84.7345, 48.7947

Rectangle

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



63.4275, 84.7345, 60.5894



60.8382, 84.7345, 110.6579



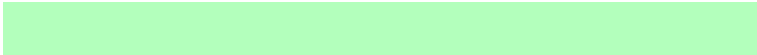
100.4773, 84.7345, 133.4027



104.0873, 84.7345, 76.0260

Sweetspot

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



63.4281, 84.7348, 60.5907



84.0168, 94.6689, 92.2665



81.9497, 94.3917, 56.5488



17.6278, 20.0915, 19.2097



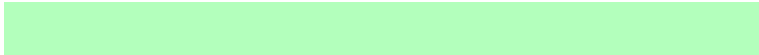
0.0000, 0.0000, 0.0000



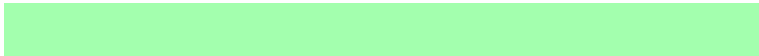
20.3446, 21.4041, 23.3091

Same Dimension

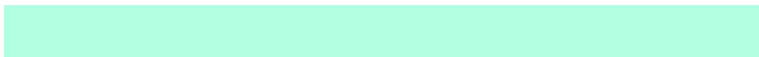
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.4281, 84.7348, 60.5907



58.5523, 82.3865, 52.8975



68.0600, 86.5876, 84.9820



17.8590, 20.2031, 19.5607



18.8365, 37.4312, 7.0245



1.8607, 3.6552, 0.8243

Inverse Universe

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



73.9948, 60.1546, 94.8991



70.7213, 54.0649, 92.3978



68.7621, 58.0615, 67.3440



18.6946, 18.2611, 22.2747



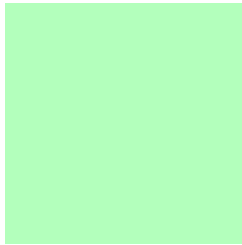
28.6726, 13.9584, 38.5222



2.8168, 1.3691, 3.8828

Previews

White Background



This preview shows how the XYZ color 63.4275, 84.7345, 60.5894 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 63.4275, 84.7345, 60.5894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

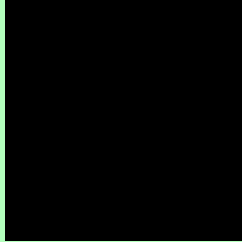
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.4275, 84.7345, 60.5894

Background



This preview shows how black text looks on a background with the XYZ color 63.4275, 84.7345, 60.5894.

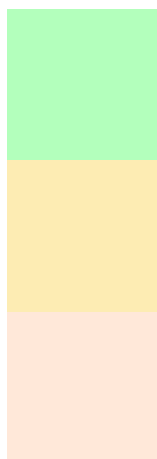


This preview shows how white text looks on a background with the XYZ color 63.4275, 84.7345,

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

63.4275, 84.7345, 60.5894

Protanopia

78.6401, 84.1282, 54.7414

Deuteranopia

82.6210, 83.9830, 77.5014



Tritanopia

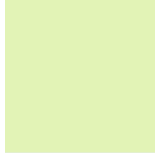
76.3805, 84.4259, 106.8779

Trichromacy



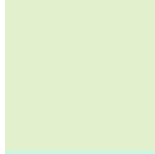
Original Color

63.4275, 84.7345, 60.5894



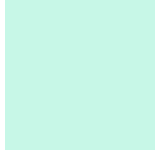
Protanomaly

71.8581, 83.6473, 56.6142



Deuteranomaly

73.9792, 83.1073, 70.5347



Tritanomaly

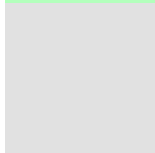
71.2378, 84.4332, 88.1439

Monochromacy



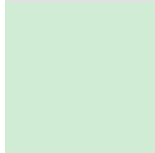
Original Color

63.4275, 84.7345, 60.5894



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

67.8915, 78.1543, 73.7944

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4275, 84.7345, 60.5894 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(179, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 188)  
}
```

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(179, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 188) }
```

Border

The CSS property to change the border of an element to XYZ 63.4275, 84.7345, 60.5894 is called "border". The border property can be set on classes, ids or directly on the HTML element.

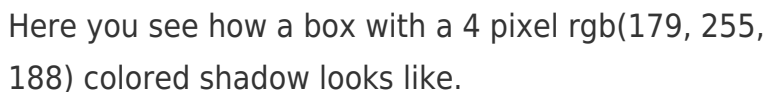
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 255, 188) }
```


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

```
.border{ border-color:rgb(179, 255, 188) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 255, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 255, 188); box-shadow:4px 4px 4px 4px rgb(179, 255, 188) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4275, 84.7345, 60.5894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 188) }
```

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

```
.background{ background-color: rgb(179,  
255, 188) }
```

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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