

Converting Colors

XYZ(63.5092, 84.7540, 61.6166)

Have a look what the booklet for
XYZ(63.5092, 84.7540, 61.6166)
contains.

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Color

**XYZ(63.6447, 84.8214,
61.7329)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFBE
RGB	179, 255, 190
RGB Percent	70%, 100%, 75%
CMY	0.2980, 0.0000, 0.2549
CMYK	0.30, 0.00, 0.25, 0.00
HSL	129°, 100%, 85%
HSV	129°, 30%, 100%
XYZ	63.6447, 84.8214, 61.7329
YIQ	224.8660, -24.4310, -36.3270

Conversions

Conversions Part 2

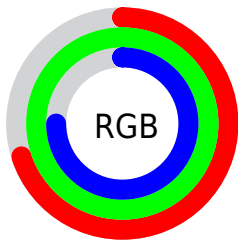
Format	Color
RYB	179, 245, 255
Decimal	11796414
CIELab	93.81, -35.87, 23.79
CIELCh	94, 43.041, 146.447
Yxy	84.8214, 0.3028, 0.4035
Android (android.graphics.Color)	4289986494 (0xFFB3FFBE)
YUV	224.8660, -17.1889, -40.2245
Hunter-Lab	92.0985, -37.8200, 24.7274

Details

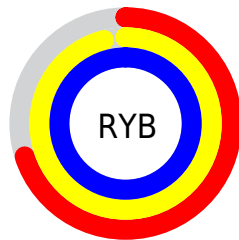
The XYZ color **63.6447, 84.8214, 61.7329** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **73.6895, 60.0325, 93.2911**, and the grayscale version is **71.6036, 75.3326, 82.0372**.

A 20% lighter version of the original color is **87.1406, 96.0683, 101.9459**, and **32.9502, 46.4508, 30.5218** is the 20% darker color. If you saturate the color by 10%, you get **56.0777, 81.1756, 49.8531**, and if you desaturate by 10%, it is **72.6594, 89.1723, 75.5450**.

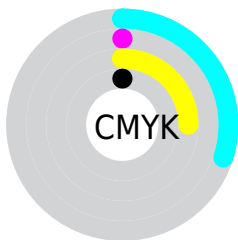
Distribution



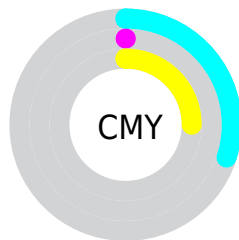
- Red (70%)
- Green (100%)
- Blue (75%)



- Red (70%)
- Yellow (96%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (30%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6447, 84.8214, 61.7329 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 63.6447, 84.8214, 61.7329 by changing the saturation by 10% instead.


 63.6447, 84.8214,
61.7329

 63.6447, 84.8214,
61.7329

427.5280,
511.0369, 448.9369

 46.6236, 63.6938,
44.3825


 109.1757,
140.1236, 108.9073

 32.9449, 46.4027,
30.6319


138.4163,
175.0670, 139.5683

 22.2432, 32.5637,
20.0626


172.4607,
215.3845, 175.5033

 14.1533, 21.7925,
12.2561

211.6743,
261.4605, 217.1308

 8.3098, 13.7045,
6.7937

256.4225,
313.6793, 264.8694

 4.3473, 7.9154,
3.2569

307.0706,

 1.9004, 4.0409,

372.4254, 319.1376

1.2273

363.9840,
438.0831, 380.3539

■ 0.5771, 1.6965,
0.0010

■ 0.0000, 0.4214,
0.0000

■ 63.6447, 84.8214,
61.7329

■ 63.6447, 84.8214,
61.7329

■ 56.0777, 81.1756,
49.8531

■ 72.6594, 89.1723,
75.5450

■ 49.8806, 78.1966,
39.8156

■ 83.1904, 94.2620,
91.3659

■ 44.9711, 75.8440,
31.5293

95.0500, 100.0000,
108.9000

■ 41.2572, 74.0724,
24.8935

■ 38.6343, 72.8304,
19.7977

■ 36.9793, 72.0569,
16.1173

■ 36.1056, 71.6590,
13.7070

■ 36.0925, 71.6530,
13.6711

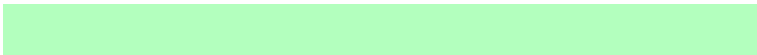
Harmonies

Analogous

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



71.2159, 84.8214, 46.6595



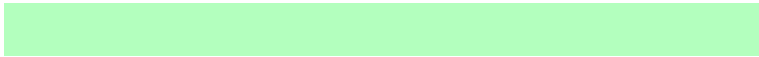
63.6447, 84.8214, 61.7329



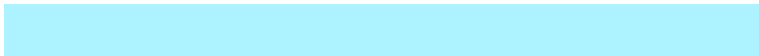
60.6004, 84.8214, 88.5077

Triad

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



63.6447, 84.8214, 61.7329



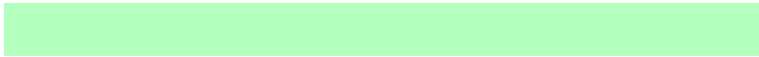
79.2650, 84.8214, 170.5691



101.9594, 84.8214, 67.0466

Complementary

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



63.6447, 84.8214, 61.7329



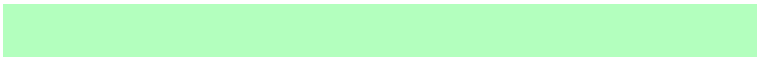
73.6895, 60.0325, 93.2911

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.



104.6248, 84.8214, 96.3144



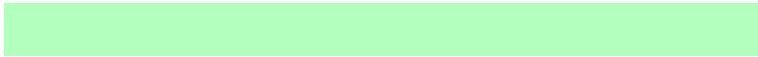
63.6447, 84.8214, 61.7329



90.8180, 84.8214, 161.0122

Square

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



63.6447, 84.8214, 61.7329



69.0647, 84.8214, 155.4243



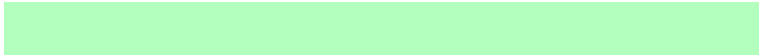
100.3739, 84.8214, 131.7284



93.3976, 84.8214, 49.1794

Rectangle

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



63.6447, 84.8214, 61.7329



61.3123, 84.8214, 111.3634



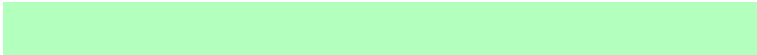
100.3739, 84.8214, 131.7284



103.6076, 84.8214, 75.6448

Sweetspot

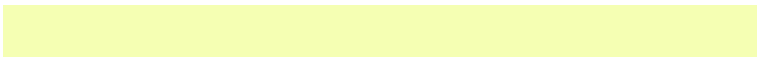
The Sweet Spot groups the original color and five complimentary colors.



63.6453, 84.8217, 61.7342



84.1042, 94.7039, 92.7262



81.5066, 94.1633, 56.5282



17.6491, 20.1000, 19.3219



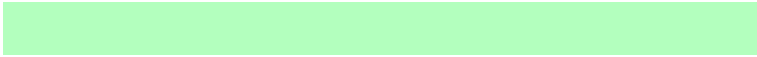
0.0000, 0.0000, 0.0000



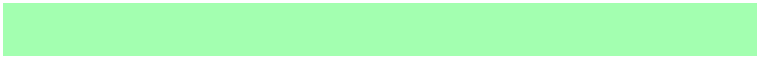
20.3446, 21.4041, 23.3091

Same Dimension

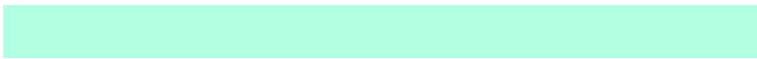
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.6453, 84.8217, 61.7342



58.7901, 82.4816, 54.1498



68.2344, 86.6574, 85.9002



17.8787, 20.2110, 19.6640



18.8912, 37.4531, 7.3123



1.8699, 3.6589, 0.8727

Inverse Universe

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



73.6895, 60.0325, 93.2911



70.3565, 53.9190, 90.4772



68.6068, 57.9994, 66.5258



18.6730, 18.2525, 22.1609



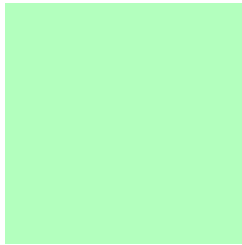
28.2106, 13.7735, 36.0890



2.7763, 1.3529, 3.6695

Previews

White Background



This preview shows how the XYZ color 63.6447, 84.8214, 61.7329 looks on a white background.

Color Contrast Check

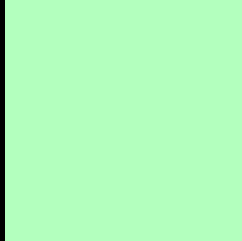
Large Text (above 18pt) WCAG AA × Fail

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 63.6447, 84.8214, 61.7329 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

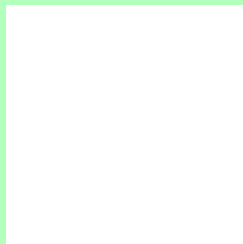
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.6447, 84.8214, 61.7329

Background



This preview shows how black text looks on a background with the XYZ color 63.6447, 84.8214, 61.7329.



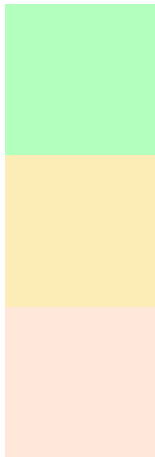
This preview shows how white text looks on a background with the XYZ color 63.6447, 84.8214,

61.7329.

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

63.6447, 84.8214, 61.7329

Protanopia

78.4808, 84.0225, 55.7977

Deuteranopia

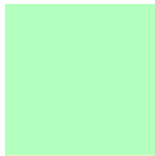
82.7515, 84.0352, 78.1886



Tritanopia

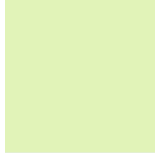
76.3805, 84.4259, 106.8779

Trichromacy



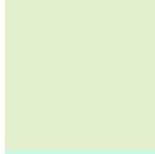
Original Color

63.6447, 84.8214, 61.7329



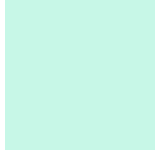
Protanomaly

71.7537, 83.5694, 57.6961



Deuteranomaly

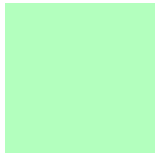
74.2238, 83.2051, 71.8227



Tritanomaly

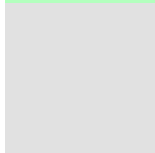
71.2378, 84.4332, 88.1439

Monochromacy



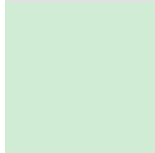
Original Color

63.6447, 84.8214, 61.7329



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 63.6447, 84.8214, 61.7329 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 190) }
```

Border

The CSS property to change the border of an element to XYZ 63.6447, 84.8214, 61.7329 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, 190) }
```


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

```
.border{ border-color:rgb(179, 255, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 255, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 255, 190); box-shadow:4px 4px 4px 4px rgb(179, 255, 190) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6447, 84.8214, 61.7329 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, 190) }
```

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

```
.background{ background-color: rgb(179,  
255, 190) }
```

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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