

Converting Colors

XYZ(63.0635, 84.5019, 62.6021)

Have a look what the booklet for
XYZ(63.0635, 84.5019, 62.6021)
contains.

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Color

**XYZ(63.1789, 84.5559,
62.8602)**

Conversions

Conversions Part 1

Format	Color
Hex	B0FFC0
RGB	176, 255, 192
RGB Percent	69%, 100%, 75%
CMY	0.3098, 0.0000, 0.2471
CMYK	0.31, 0.00, 0.25, 0.00
HSL	132°, 100%, 85%
HSV	132°, 31%, 100%
XYZ	63.1789, 84.5559, 62.8602
YIQ	224.1970, -26.8610, -36.3410

Conversions

Conversions Part 2

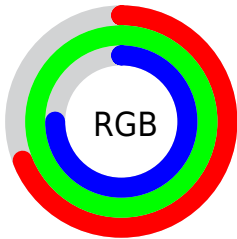
Format	Color
RYB	176, 242, 255
Decimal	11599808
CIELab	93.69, -36.44, 22.59
CIELCh	94, 42.878, 148.208
Yxy	84.5559, 0.3000, 0.4015
Android (android.graphics.Color)	4289789888 (0xFFB0FFC0)
YUV	224.1970, -15.8731, -42.2688
Hunter-Lab	91.9543, -38.2782, 23.8372

Details

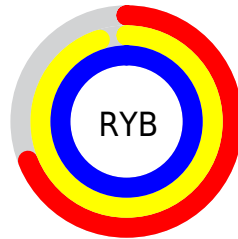
The XYZ color **63.1789, 84.5559, 62.8602** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **72.3455, 58.5432, 89.1476**, and the grayscale version is **71.1158, 74.8193, 81.4782**.

A 20% lighter version of the original color is **86.4632, 95.6832, 103.5341**, and **32.6667, 46.2881, 31.2575** is the 20% darker color. If you saturate the color by 10%, you get **55.8446, 81.0175, 51.5570**, and if you desaturate by 10%, it is **71.9087, 88.7776, 75.8565**.

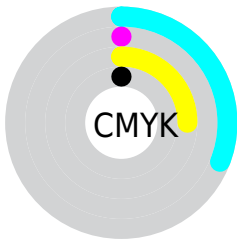
Distribution



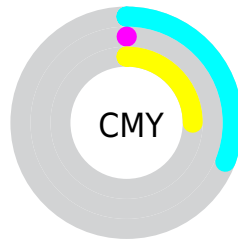
- Red (69%)
- Green (100%)
- Blue (75%)



- Red (69%)
- Yellow (95%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (25%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.1789, 84.5559, 62.8602 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 63.1789, 84.5559, 62.8602 by changing the saturation by 10% instead.


 63.1789, 84.5559,
62.8602

 63.1789, 84.5559,
62.8602

425.8678,
510.1574, 453.1559

 46.2451, 63.4745,
45.2878


 108.5079,
139.7525, 110.5514

 32.6448, 46.2252,
31.3396


137.6339,
174.6366, 141.5074

 22.0124, 32.4236,
20.5970


171.5547,
214.8902, 177.7616

 13.9826, 21.6852,
12.6414

210.6356,
260.8980, 219.7327

 8.1902, 13.6258,
7.0542

255.2420,
313.0442, 267.8391

 4.2697, 7.8609,
3.4171

305.7393,

 1.8558, 4.0060,

371.7132, 322.4994

1.3113

362.4928,
437.2895, 384.1322

■ 0.5510, 1.6769,
0.0711

■ 0.0000, 0.4087,
0.0000

■ 63.1789, 84.5559,
62.8602

■ 63.1789, 84.5559,
62.8602

■ 55.8446, 81.0175,
51.5570

■ 71.9087, 88.7776,
75.8565

■ 49.8306, 78.1253,
41.8731

■ 82.1002, 93.7156,
90.6074

■ 45.0571, 75.8396,
33.7354

■ 93.8175, 99.4015,
107.1764

■ 41.4348, 74.1162,
27.0635

■ 95.0500, 100.0000,
108.9000

■ 38.8621, 72.9044,
21.7697

■ 37.2186, 72.1443,
17.7566

■ 36.3720, 71.7648,
15.1425

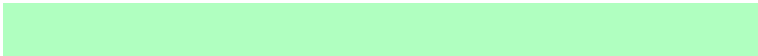
Harmonies

Analogous

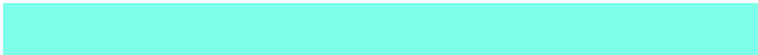
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.4694, 84.5559, 47.1749



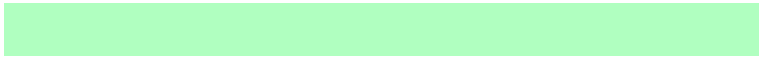
63.1789, 84.5559, 62.8602



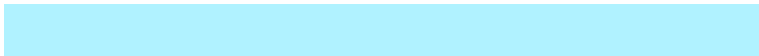
60.4345, 84.5559, 90.1229

Triad

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



63.1789, 84.5559, 62.8602



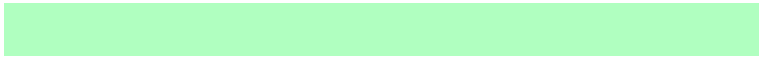
79.6861, 84.5559, 169.9112



101.2171, 84.5559, 65.5266

Complementary

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



63.1789, 84.5559, 62.8602



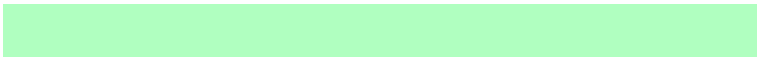
72.3455, 58.5432, 89.1476

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.



104.2631, 84.5559, 94.0389



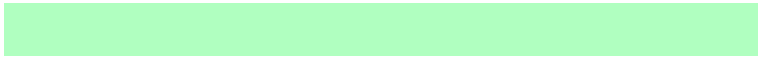
63.1789, 84.5559, 62.8602



91.1524, 84.5559, 159.0095

Square

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



63.1789, 84.5559, 62.8602



69.3901, 84.5559, 156.2077



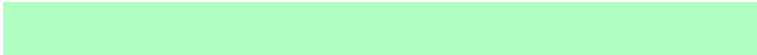
100.4219, 84.5559, 129.1548



92.4463, 84.5559, 48.4397

Rectangle

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



63.1789, 84.5559, 62.8602



61.3355, 84.5559, 113.0529



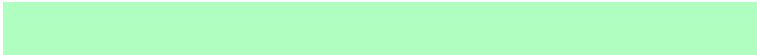
100.4219, 84.5559, 129.1548



102.9788, 84.5559, 73.8535

Sweetspot

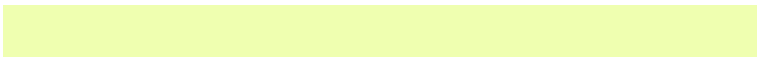
The Sweet Spot groups the original color and five complimentary colors.



63.1795, 84.5561, 62.8615



84.2970, 94.7810, 93.7416



79.2609, 93.0402, 54.8561



17.6962, 20.1188, 19.5701



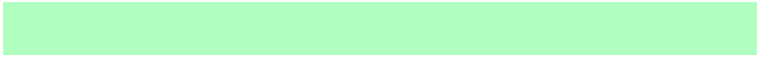
0.0000, 0.0000, 0.0000



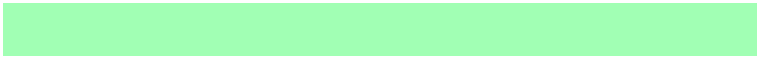
20.3446, 21.4041, 23.3091

Same Dimension

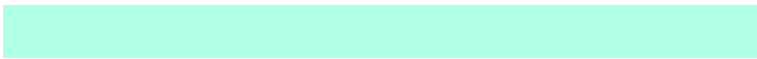
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.1795, 84.5561, 62.8615



58.6013, 82.3463, 55.8579



68.1311, 86.5368, 88.9363



17.9220, 20.2283, 19.8922



19.0472, 37.5155, 8.1340



1.8914, 3.6675, 0.9860

Inverse Universe

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



72.3455, 58.5432, 89.1476



69.0481, 52.6773, 85.8014



67.1560, 56.4674, 61.8203



18.6257, 18.2336, 21.9122



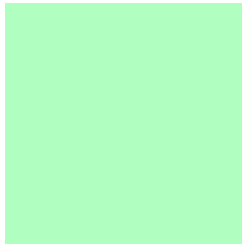
27.2584, 13.3927, 31.0749



2.6921, 1.3192, 3.2260

Previews

White Background



This preview shows how the XYZ color 63.1789, 84.5559, 62.8602 looks on a white background.

Color Contrast Check

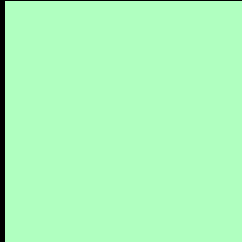
Large Text (above 18pt) WCAG AA × Fail

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 63.1789, 84.5559, 62.8602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

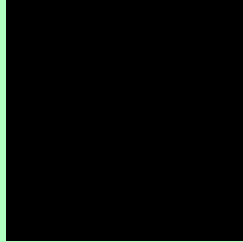
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.1789, 84.5559, 62.8602

Background



This preview shows how black text looks on a background with the XYZ color 63.1789, 84.5559, 62.8602.

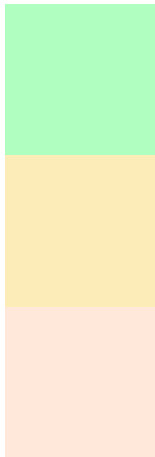


This preview shows how white text looks on a background with the XYZ color 63.1789, 84.5559,

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

63.1789, 84.5559, 62.8602

Protanopia

78.6876, 84.1052, 56.8864

Deuteranopia

82.4708, 83.4738, 78.0950



Tritanopia

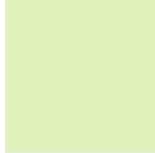
75.8146, 84.1342, 106.8514

Trichromacy



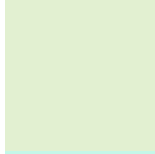
Original Color

63.1789, 84.5559, 62.8602



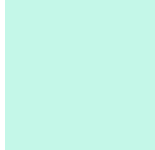
Protanomaly

71.6540, 83.4936, 58.7937



Deuteranomaly

74.0327, 83.0924, 72.4581



Tritanomaly

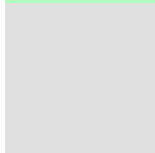
70.5912, 84.0835, 88.8531

Monochromacy



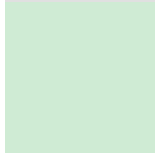
Original Color

63.1789, 84.5559, 62.8602



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

67.3241, 77.4355, 73.6855

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.1789, 84.5559, 62.8602 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(176, 255, 192)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 192)  
}
```

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(176, 255, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 192) }
```

Border

The CSS property to change the border of an element to XYZ 63.1789, 84.5559, 62.8602 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(176, 255, 192) }
```


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

```
.border{ border-color:rgb(176, 255, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 255, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 255, 192); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 255, 192); box-shadow:4px 4px 4px 4px rgb(176, 255, 192) }
```

Background

The CSS property to change the background color of an element to XYZ 63.1789, 84.5559, 62.8602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 192) }
```

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

```
.background{ background-color: rgb(176,  
255, 192) }
```

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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