

Converting Colors

XYZ(63.6951, 84.8306, 62.4940)

Have a look what the booklet for
XYZ(63.6951, 84.8306, 62.4940)
contains.

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Color

**XYZ(63.7544, 84.8653,
62.3106)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFBF
RGB	179, 255, 191
RGB Percent	70%, 100%, 75%
CMY	0.2980, 0.0000, 0.2510
CMYK	0.30, 0.00, 0.25, 0.00
HSL	129°, 100%, 85%
HSV	129°, 30%, 100%
XYZ	63.7544, 84.8653, 62.3106
YIQ	224.9800, -24.7520, -36.0160

Conversions

Conversions Part 2

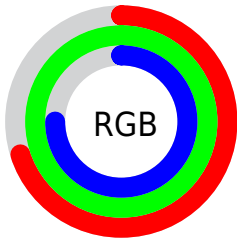
Format	Color
RYB	179, 245, 255
Decimal	11796415
CIELab	93.83, -35.70, 23.31
CIElCh	94, 42.634, 146.861
Yxy	84.8653, 0.3023, 0.4023
Android (android.graphics.Color)	4289986495 (0xFFB3FFBF)
YUV	224.9800, -16.7521, -40.3245
Hunter-Lab	92.1224, -37.6810, 24.3825

Details

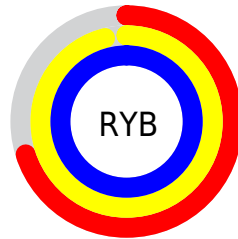
The XYZ color **63.7544, 84.8653, 62.3106** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **73.5380, 59.9719, 92.4934**, and the grayscale version is **71.6827, 75.4158, 82.1278**.

A 20% lighter version of the original color is **87.2953, 96.1302, 102.7610**, and **33.0216, 46.4794, 30.8979** is the 20% darker color. If you saturate the color by 10%, you get **56.2030, 81.2257, 50.5128**, and if you desaturate by 10%, it is **72.7433, 89.2059, 75.9869**.

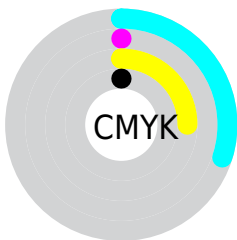
Distribution



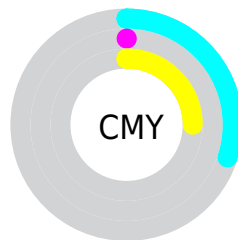
- Red (70%)
- Green (100%)
- Blue (75%)



- 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 63.7544, 84.8653, 62.3106 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 63.7544, 84.8653, 62.3106 by changing the saturation by 10% instead.


 63.7544, 84.8653,
62.3106

 63.7544, 84.8653,
62.3106


427.9185,
511.1822, 451.1020

 46.7127, 63.7301,
44.8463


 109.3329,
140.1850, 109.7503

 33.0156, 46.4321,
30.9943


138.6004,
175.1382, 140.5627

 22.2977, 32.5869,
20.3361

172.6739,
215.4662, 176.6616

 14.1936, 21.8102,
12.4531

211.9187,
261.5535, 218.4655

 8.3381, 13.7175,
6.9268

256.7002,
313.7843, 266.3930

 4.3656, 7.9244,
3.3386

307.3838,

 1.9110, 4.0466,

372.5431, 320.8625

1.2700

364.3347,
438.2143, 382.2927

■ 0.5832, 1.6997,
0.0370

■ 0.0000, 0.4235,
0.0000

■ 63.7544, 84.8653,
62.3106

■ 63.7544, 84.8653,
62.3106

■ 56.2030, 81.2257,
50.5128

■ 72.7433, 89.2059,
75.9869

■ 50.0120, 78.2492,
40.5077

■ 83.2376, 94.2809,
91.6144

■ 45.1001, 75.8956,
32.2084

95.0500, 100.0000,
108.9000

■ 41.3761, 74.1200,
25.5197

■ 38.7366, 72.8713,
20.3367

■ 37.0600, 72.0892,
16.5421

■ 36.1611, 71.6812,
13.9994

■ 36.1475, 71.6750,
13.9608

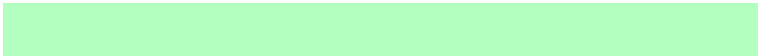
Harmonies

Analogous

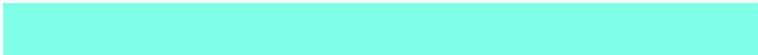
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.2099, 84.8653, 47.1578



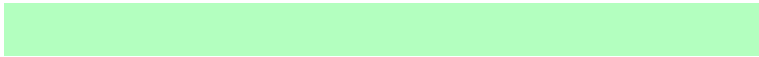
63.7544, 84.8653, 62.3106



60.7990, 84.8653, 89.0285

Triad

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



63.7544, 84.8653, 62.3106



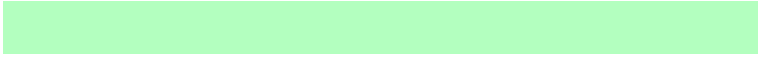
79.4746, 84.8653, 169.7878



101.7083, 84.8653, 66.9739

Complementary

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



63.7544, 84.8653, 62.3106



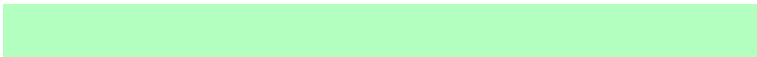
73.5380, 59.9719, 92.4934

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.



104.4388, 84.8653, 95.8635



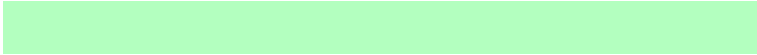
63.7544, 84.8653, 62.3106



90.9153, 84.8653, 160.0187

Square

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



63.7544, 84.8653, 62.3106



69.3249, 84.8653, 155.1411



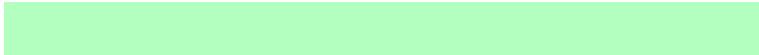
100.3219, 84.8653, 130.8967



93.1721, 84.8653, 49.3740

Rectangle

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



63.7544, 84.8653, 62.3106



61.5510, 84.8653, 111.7164



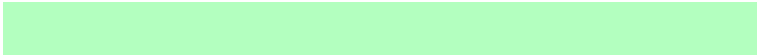
100.3219, 84.8653, 130.8967



103.3682, 84.8653, 75.4562

Sweetspot

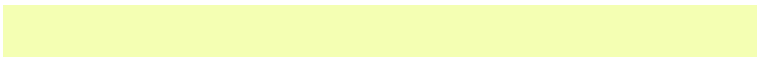
The Sweet Spot groups the original color and five complimentary colors.



63.7550, 84.8656, 62.3119



84.1479, 94.7214, 92.9567



81.0665, 93.9364, 56.5076



17.6598, 20.1043, 19.3782



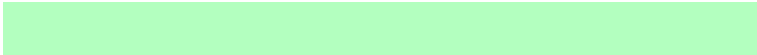
0.0000, 0.0000, 0.0000



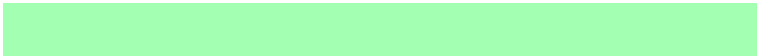
20.3446, 21.4041, 23.3091

Same Dimension

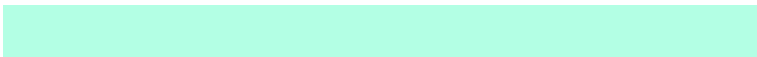
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.7550, 84.8656, 62.3119



58.9106, 82.5298, 54.7844



68.4101, 86.7276, 86.8252



17.8885, 20.2149, 19.7158



18.9223, 37.4655, 7.4760



1.8745, 3.6607, 0.8969

Inverse Universe

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



73.5380, 59.9719, 92.4934



70.1759, 53.8468, 89.5262



68.4526, 57.9377, 65.7140



18.6622, 18.2482, 22.1041



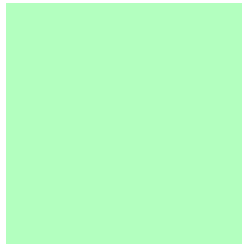
27.9863, 13.6838, 34.9078



2.7566, 1.3450, 3.5655

Previews

White Background



This preview shows how the XYZ color 63.7544, 84.8653, 62.3106 looks on a white background.

Color Contrast Check

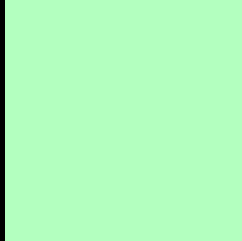
Large Text (above 18pt) WCAG AA × Fail

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 63.7544, 84.8653, 62.3106 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 63.7544, 84.8653, 62.3106

Background



This preview shows how black text looks on a background with the XYZ color 63.7544, 84.8653, 62.3106.

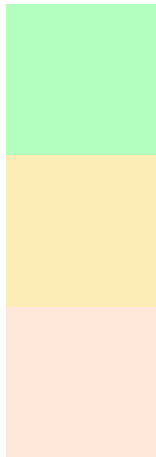


This preview shows how white text looks on a background with the XYZ color 63.7544, 84.8653,

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

63.7544, 84.8653, 62.3106

Protanopia

78.5838, 84.0638, 56.3401

Deuteranopia

82.7515, 84.0352, 78.1886



Tritanopia

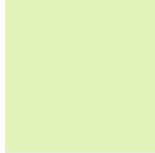
76.3805, 84.4259, 106.8779

Trichromacy



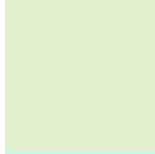
Original Color

63.7544, 84.8653, 62.3106



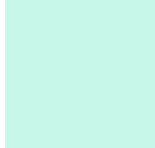
Protanomaly

71.8589, 83.6115, 58.2502



Deuteranomaly

74.2238, 83.2051, 71.8227



Tritanomaly

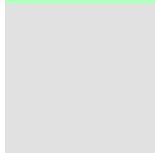
71.3794, 84.4898, 88.8900

Monochromacy



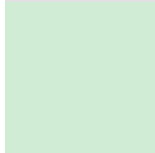
Original Color

63.7544, 84.8653, 62.3106



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.0181, 78.2049, 74.4609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7544, 84.8653, 62.3106 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 191) }
```

Border

The CSS property to change the border of an element to XYZ 63.7544, 84.8653, 62.3106 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, 191) }
```


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

```
.border{ border-color:rgb(179, 255, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 255, 191); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 255, 191); box-shadow:4px 4px 4px 4px rgb(179, 255, 191) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7544, 84.8653, 62.3106 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, 191) }
```

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

```
.background{ background-color: rgb(179,  
255, 191) }
```

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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