

Converting Colors

XYZ(63.8158, 80.1631, 54.7579)

Have a look what the booklet for
XYZ(63.8158, 80.1631, 54.7579)
contains.

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Color

**XYZ(63.7761, 79.9618,
54.7206)**

Conversions

Conversions Part 1

Format	Color
Hex	C6F4B3
RGB	198, 244, 179
RGB Percent	78%, 96%, 70%
CMY	0.2235, 0.0431, 0.2980
CMYK	0.19, 0.00, 0.27, 0.04
HSL	102°, 75%, 83%
HSV	102°, 27%, 96%
XYZ	63.7761, 79.9618, 54.7206
YIQ	222.8360, -6.5510, -29.9670

Conversions

Conversions Part 2

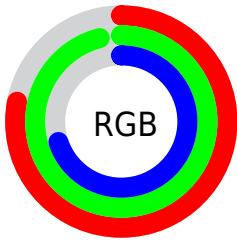
Format	Color
RYB	179, 244, 225
Decimal	13038771
CIELab	91.67, -26.35, 26.62
CIElCh	92, 37.459, 134.706
Yxy	79.9618, 0.3214, 0.4029
Android (android.graphics.Color)	4291228851 (0xFFC6F4B3)
YUV	222.8360, -21.6111, -21.7812
Hunter-Lab	89.4214, -29.1796, 26.3130

Details

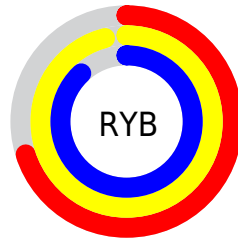
The XYZ color **63.7761, 79.9618, 54.7206** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **63.5038, 54.7816, 92.8191**, and the grayscale version is **70.1765, 73.8312, 80.4021**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **33.0768, 43.3124, 26.3555** is the 20% darker color. If you saturate the color by 10%, you get **57.2286, 76.8492, 42.6523**, and if you desaturate by 10%, it is **71.2835, 83.5236, 69.1165**.

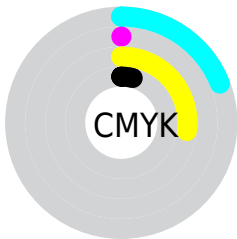
Distribution



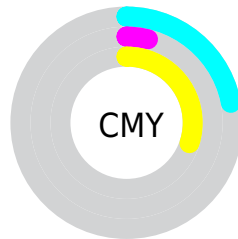
- Red (78%)
- Green (96%)
- Blue (70%)



- Red (70%)
- Yellow (96%)
- Blue (88%)



- Cyan (19%)
- Magenta (0%)
- Yellow (27%)
- Black (4%)





- Cyan (22%)
- Magenta (4%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7761, 79.9618, 54.7206 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 63.7761, 79.9618, 54.7206 by changing the saturation by 10% instead.


 63.7761, 79.9618,
54.7206

 63.7761, 79.9618,
54.7206


427.9957,
494.8041, 422.1040

 46.7304, 59.6869,
38.7810


 109.3640,
133.3120, 98.5985

 33.0296, 43.1663,
26.2829


138.6368,
167.1562, 127.3739

 22.3085, 30.0156,
16.8077


172.7160,
206.2922, 161.2649

 14.2016, 19.8505,
9.9370

211.9670,
251.1044, 200.6902

 8.3437, 12.2864,
5.2521

256.7551,
301.9774, 246.0682

 4.3693, 6.9390,
2.3346

307.4457,

 1.9131, 3.4240,

359.2954, 297.8174

0.7505

364.4041,
423.4428, 356.3565

■ 0.5844, 1.3569,
0.0000

■ 0.0000, 0.1846,
0.0000

■ 63.7761, 79.9618,
54.7206

■ 63.7761, 79.9618,
54.7206

■ 57.2286, 76.8492,
42.6523

■ 71.2835, 83.5236,
69.1165

■ 51.5944, 74.1572,
32.7844

■ 79.7824, 87.5412,
85.9478

■ 46.8321, 71.8699,
24.9853

■ 89.3107, 92.0342,
105.3221

■ 42.8945, 69.9660,
19.1075

■ 91.6423, 93.1846,
107.7641

■ 39.7293, 68.4223,
14.9837

■ 37.2772, 67.2124,
12.4182

■ 35.4674, 66.3053,
11.1643

■ 34.9741, 66.0562,
10.9068

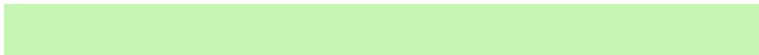
Harmonies

Analogous

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



71.4244, 79.9618, 45.3878



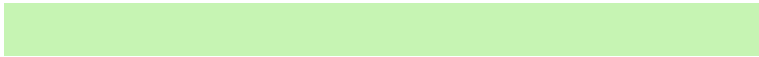
63.7761, 79.9618, 54.7206



59.5957, 79.9618, 73.8893

Triad

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



63.7761, 79.9618, 54.7206



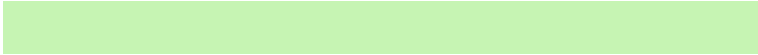
71.2496, 79.9618, 148.4425



95.2279, 79.9618, 74.3583

Complementary

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



63.7761, 79.9618, 54.7206



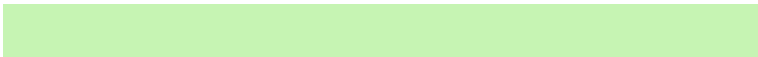
63.5038, 54.7816, 92.8191

Split Complementary

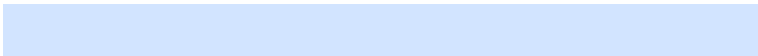
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.1711, 79.9618, 101.7202



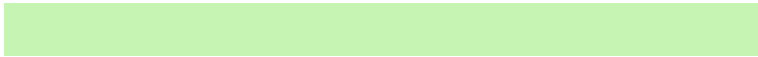
63.7761, 79.9618, 54.7206



80.7697, 79.9618, 148.6422

Square

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



63.7761, 79.9618, 54.7206



63.6574, 79.9618, 129.6546



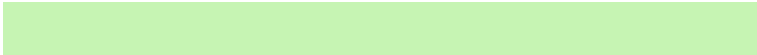
89.6967, 79.9618, 130.1537



89.8459, 79.9618, 55.0015

Rectangle

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



63.7761, 79.9618, 54.7206



59.0957, 79.9618, 91.4612



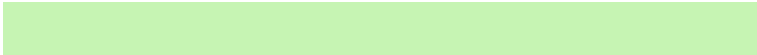
89.6967, 79.9618, 130.1537



95.8579, 79.9618, 82.8117

Sweetspot

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



63.7782, 79.9652, 54.7223



86.8241, 96.1189, 92.2713



72.2384, 76.0716, 53.5249



18.2703, 20.4253, 19.1239



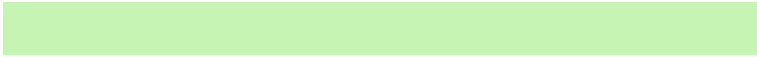
0.0000, 0.0000, 0.0000



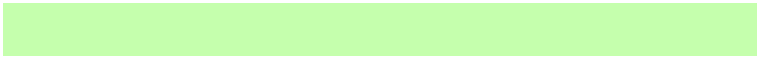
20.3446, 21.4041, 23.3091

Same Dimension

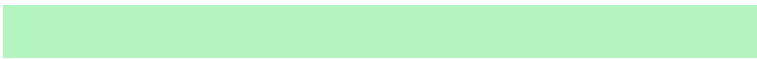
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.7782, 79.9652, 54.7223



66.4330, 86.4567, 52.9248



60.4579, 78.0944, 61.7581



16.7373, 18.7066, 17.5262



19.1338, 35.9766, 5.9357



1.7797, 3.2126, 0.5263

Inverse Universe

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



63.5038, 54.7816, 92.8191



66.0739, 54.2747, 101.6013



67.8551, 57.2449, 83.0778



16.7143, 16.5109, 20.8485



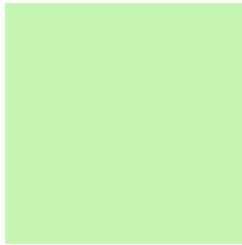
18.3544, 8.4364, 47.1990



1.7152, 0.7941, 4.1531

Previews

White Background



This preview shows how the XYZ color 63.7761, 79.9618, 54.7206 looks on a white background.

Color Contrast Check

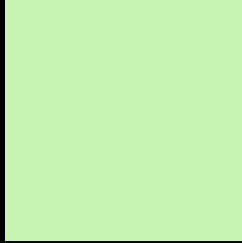
Large Text (above 18pt) WCAG AA × Fail

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 63.7761, 79.9618, 54.7206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

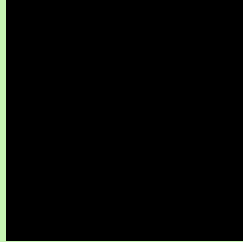
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7761, 79.9618, 54.7206

Background



This preview shows how black text looks on a background with the XYZ color 63.7761, 79.9618, 54.7206.



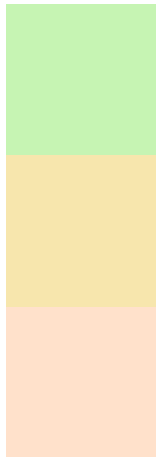
This preview shows how white text looks on a background with the XYZ color 63.7761, 79.9618,

54.7206.

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

63.7761, 79.9618, 54.7206

Protanopia

74.1974, 79.3849, 50.9474

Deuteranopia

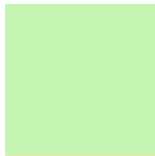
78.9447, 79.4222, 67.6691



Tritanopia

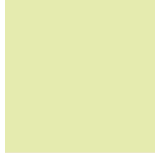
73.7308, 79.6391, 104.4144

Trichromacy



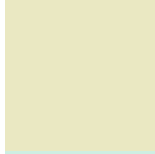
Original Color

63.7761, 79.9618, 54.7206



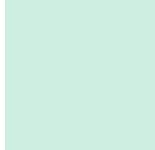
Protanomaly

69.7593, 79.1698, 52.1620



Deuteranomaly

72.5259, 79.1007, 62.4844



Tritanomaly

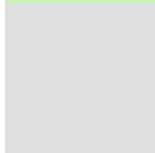
69.7556, 79.7619, 83.6706

Monochromacy



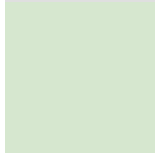
Original Color

63.7761, 79.9618, 54.7206



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.5700, 75.9530, 70.1306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7761, 79.9618, 54.7206 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(198, 244, 179)` looks like.

```
.text, #text, p{  
    color:rgb(198, 244, 179)  
}
```

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(198, 244, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 244, 179) }
```

Border

The CSS property to change the border of an element to XYZ 63.7761, 79.9618, 54.7206 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(198, 244, 179) }
```


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

```
.border{ border-color:rgb(198, 244, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 244, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 244, 179); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 244, 179); box-shadow:4px 4px 4px 4px rgb(198, 244, 179) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7761, 79.9618, 54.7206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 244, 179) }
```

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

```
.background{ background-color: rgb(198,  
244, 179) }
```

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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