

Converting Colors

XYZ(71.2354, 100.0000,
55.2917)

Have a look what the booklet for
XYZ(71.2354, 100.0000, 55.2917)
contains.

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Color

**XYZ(63.7963, 85.1019,
52.5991)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFFAD
RGB	187, 255, 173
RGB Percent	73%, 100%, 68%
CMY	0.2667, 0.0000, 0.3216
CMYK	0.27, 0.00, 0.32, 0.00
HSL	110°, 100%, 84%
HSV	110°, 32%, 100%
XYZ	63.7963, 85.1019, 52.5991
YIQ	225.3200, -14.2060, -39.9180

Conversions

Conversions Part 2

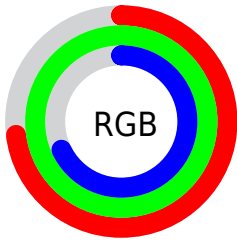
Format	Color
RYB	173, 255, 241
Decimal	12320685
CIELab	93.93, -36.04, 32.60
CIELCh	94, 48.600, 137.871
Yxy	85.1019, 0.3166, 0.4223
Android (android.graphics.Color)	4290510765 (0xFFBBFFAD)
YUV	225.3200, -25.7938, -33.6066
Hunter-Lab	92.2507, -37.9964, 30.7698

Details

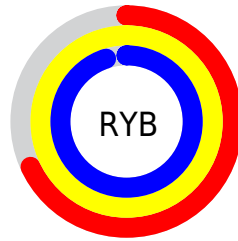
The XYZ color **63.7963, 85.1019, 52.5991** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **69.2703, 55.8093, 101.7291**, and the grayscale version is **71.9850, 75.7338, 82.4742**.

A 20% lighter version of the original color is **87.5590, 96.5896, 88.1575**, and **33.1000, 46.6498, 25.0291** is the 20% darker color. If you saturate the color by 10%, you get **56.7613, 81.7336, 40.5955**, and if you desaturate by 10%, it is **72.0651, 89.0517, 67.1210**.

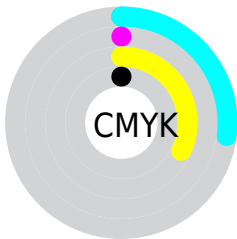
Distribution



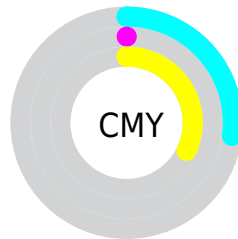
- Red (73%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (95%)



- Cyan (27%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7963, 85.1019, 52.5991 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 63.7963, 85.1019, 52.5991 by changing the saturation by 10% instead.


 63.7963, 85.1019,
52.5991

 63.7963, 85.1019,
52.5991


428.0676,
511.9652, 413.7677

 46.7468, 63.9256,
37.0973


 109.3929,
140.5155, 95.4497

 33.0426, 46.5904,
24.9865


138.6707,
175.5216, 123.6357

 22.3185, 32.7120,
15.8480


172.7553,
215.9065, 156.8867

 14.2090, 21.9059,
9.2635

212.0120,
262.0544, 195.6214

 8.3489, 13.7878,
4.8143

256.8062,
314.3499, 240.2583

 4.3727, 7.9732,
2.0819

307.5033,

 1.9150, 4.0778,

373.1772, 291.2160

0.6050

364.4687,
438.9209, 348.9129

■ 0.5856, 1.7172,
0.0000

■ 0.0000, 0.4347,
0.0000

■ 63.7963, 85.1019,
52.5991

■ 63.7963, 85.1019,
52.5991

■ 56.7613, 81.7336,
40.5955

■ 72.0651, 89.0517,
67.1210

■ 50.8985, 78.9184,
30.9633

■ 81.6220, 93.6084,
84.2892

■ 46.1433, 76.6262,
23.5464

■ 92.5200, 98.7965,
104.2274

■ 42.4239, 74.8240,
18.1682

95.0500, 100.0000,
108.9000

■ 39.6596, 73.4745,
14.6254

■ 37.7570, 72.5349,
12.6726

■ 36.7787, 72.0452,
11.9677

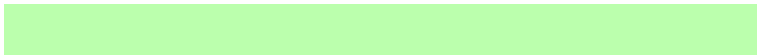
Harmonies

Analogous

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



73.4866, 85.1019, 40.0294



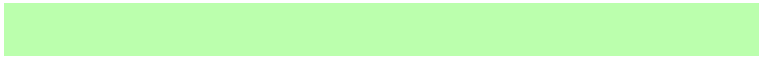
63.7963, 85.1019, 52.5991



58.9115, 85.1019, 78.4772

Triad

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



63.7963, 85.1019, 52.5991



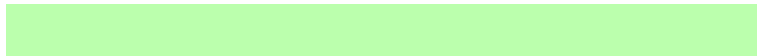
75.7693, 85.1019, 181.2834



106.9630, 85.1019, 72.4627

Complementary

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



63.7963, 85.1019, 52.5991



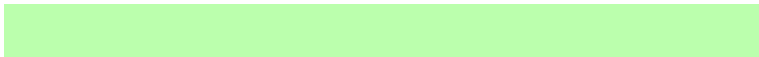
69.2703, 55.8093, 101.7291

Split Complementary

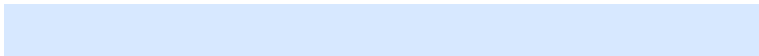
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.7425, 85.1019, 108.4596



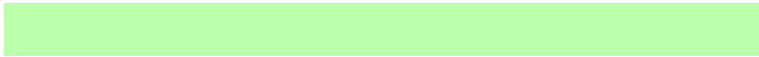
63.7963, 85.1019, 52.5991



88.7679, 85.1019, 178.4074

Square

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



63.7963, 85.1019, 52.5991



65.3134, 85.1019, 156.2178



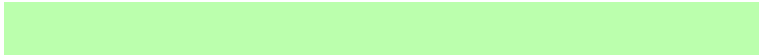
100.7857, 85.1019, 149.1732



98.7576, 85.1019, 49.2124

Rectangle

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



63.7963, 85.1019, 52.5991



58.6520, 85.1019, 102.7704



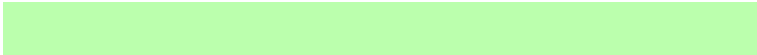
100.7857, 85.1019, 149.1732



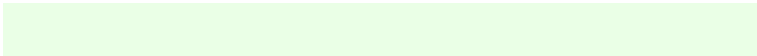
108.1316, 85.1019, 83.2382

Sweetspot

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



63.7968, 85.1021, 52.6004



83.8563, 94.6727, 88.3493



79.9335, 86.5781, 52.0348



17.6354, 20.1146, 18.3407



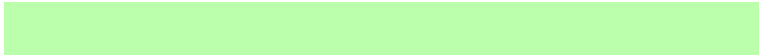
0.0000, 0.0000, 0.0000



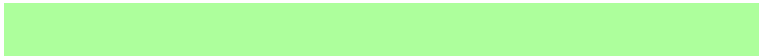
20.3446, 21.4041, 23.3091

Same Dimension

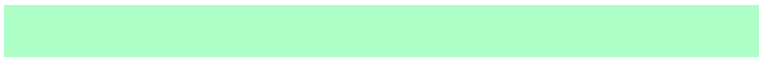
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.7968, 85.1021, 52.6004



58.8520, 82.7355, 44.1208



63.2993, 84.5266, 66.9927



18.0605, 20.3171, 19.1140



19.3014, 37.6883, 6.2573



1.9558, 3.7090, 0.6128

Inverse Universe

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



69.2703, 55.8093, 101.7291



65.1305, 49.0272, 100.6382



70.3317, 56.8072, 81.4118



18.4704, 18.1343, 22.7767



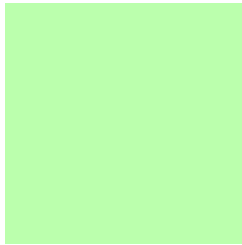
23.6506, 11.1028, 50.3311



2.3795, 1.1206, 4.9042

Previews

White Background



This preview shows how the XYZ color 63.7963, 85.1019, 52.5991 looks on a white background.

Color Contrast Check

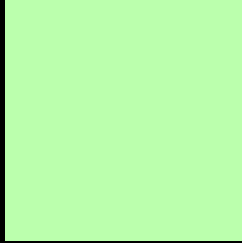
Large Text (above 18pt) WCAG AA × Fail

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 63.7963, 85.1019, 52.5991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

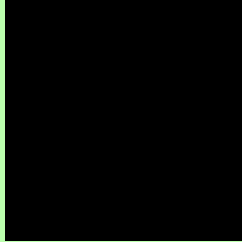
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.7963, 85.1019, 52.5991

Background



This preview shows how black text looks on a background with the XYZ color 63.7963, 85.1019, 52.5991.



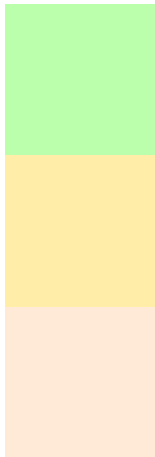
This preview shows how white text looks on a background with the XYZ color 63.7963, 85.1019,

52.5991.

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

63.7963, 85.1019, 52.5991

Protanopia

78.5921, 84.6555, 49.2437

Deuteranopia

82.6447, 84.4441, 76.2335



Tritanopia

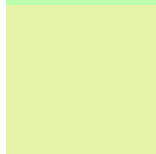
77.2369, 84.4267, 106.8329

Trichromacy



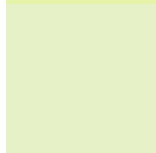
Original Color

63.7963, 85.1019, 52.5991



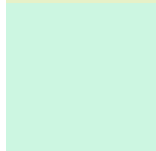
Protanomaly

72.2395, 84.4266, 50.5188



Deuteranomaly

74.5138, 83.9037, 66.9113



Tritanomaly

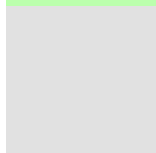
71.4482, 84.1851, 83.7178

Monochromacy



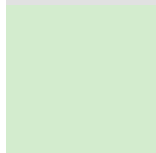
Original Color

63.7963, 85.1019, 52.5991



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.0000, 78.2960, 69.9212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7963, 85.1019, 52.5991 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(187, 255, 173)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 173)  
}
```

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(187, 255, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 173) }
```

Border

The CSS property to change the border of an element to XYZ 63.7963, 85.1019, 52.5991 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(187, 255, 173) }
```


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

```
.border{ border-color:rgb(187, 255, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 173);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7963, 85.1019, 52.5991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 173) }
```

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

```
.background{ background-color: rgb(187,  
255, 173) }
```

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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