

Converting Colors

XYZ(63.5541, 76.5504, 63.7500)

Have a look what the booklet for
XYZ(63.5541, 76.5504, 63.7500)
contains.

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Color

**XYZ(63.5367, 76.5597,
63.6533)**

Conversions

Conversions Part 1

Format	Color
Hex	C6EDC4
RGB	198, 237, 196
RGB Percent	78%, 93%, 77%
CMY	0.2235, 0.0706, 0.2314
CMYK	0.16, 0.00, 0.17, 0.07
HSL	117°, 53%, 85%
HSV	117°, 17%, 93%
XYZ	63.5367, 76.5597, 63.6533
YIQ	220.6650, -10.0830, -21.0190

Conversions

Conversions Part 2

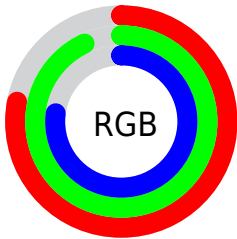
Format	Color
RYB	196, 237, 235
Decimal	13036996
CIELab	90.12, -20.22, 15.73
CIElCh	90, 25.621, 142.119
Yxy	76.5597, 0.3118, 0.3758
Android (android.graphics.Color)	4291227076 (0xFFC6EDC4)
YUV	220.6650, -12.1598, -19.8772
Hunter-Lab	87.4984, -23.5050, 18.1166

Details

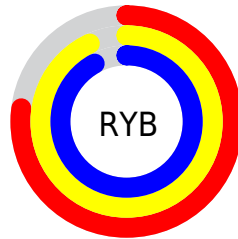
The XYZ color **63.5367, 76.5597, 63.6533** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **69.2901, 63.2586, 88.6830**, and the grayscale version is **68.5817, 72.1533, 78.5749**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **32.9080, 40.9300, 31.7570** is the 20% darker color. If you saturate the color by 10%, you get **55.5429, 72.7284, 50.2922**, and if you desaturate by 10%, it is **72.8454, 81.0240, 79.3035**.

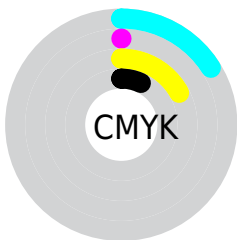
Distribution



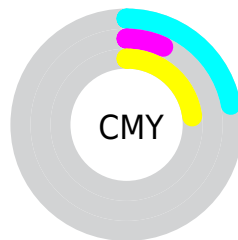
- Red (78%)
- Green (93%)
- Blue (77%)



- Red (77%)
- Yellow (93%)
- Blue (92%)



- Cyan (16%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)



- Cyan (22%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5367, 76.5597, 63.6533 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 63.5367, 76.5597, 63.6533 by changing the saturation by 10% instead.

63.5367, 76.5597,
63.6533

63.5367, 76.5597,
63.6533

427.1434,
483.2615, 456.1096

46.5358, 56.8916,
45.9255

109.0209,
128.5178, 111.7061

32.8753, 40.9182,
31.8388

138.2349,
161.5765, 142.8683

22.1897, 28.2552,
20.9746

172.2507,
199.8676, 179.3457

14.1137, 18.5181,
12.9144

211.4336,
243.7753, 221.5568

8.2820, 11.3226,
7.2396

256.1490,
293.6842, 269.9202

4.3293, 6.2843,
3.5317

306.7622,

1.8900, 3.0187,

349.9786, 324.8545

1.3721

363.6385,
413.0429, 386.7781

0.5710, 1.1415,
0.1198

0.0000, 0.0131,
0.0000

63.5367, 76.5597,
63.6533

63.5367, 76.5597,
63.6533

55.5429, 72.7284,
50.2922

72.8454, 81.0240,
79.3035

48.7989, 69.4923,
39.1084

83.5179, 86.1378,
97.3378

43.2433, 66.8244,
29.9879

89.5757, 89.0514,
107.0752

38.8071, 64.6919,
22.8048

■ 35.4145, 63.0586,
17.4190

■ 32.9797, 61.8838,
13.6719

■ 31.4037, 61.1205,
11.3772

■ 30.5636, 60.7106,
10.2912

■ 30.4312, 60.6464,
10.1020

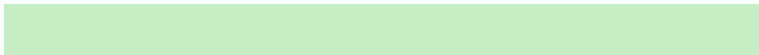
Harmonies

Analogous

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



68.2599, 76.5597, 54.9445



63.5367, 76.5597, 63.6533



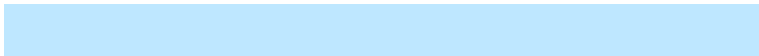
61.3148, 76.5597, 78.6503

Triad

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



63.5367, 76.5597, 63.6533



71.1039, 76.5597, 123.0841



84.6938, 76.5597, 70.8574

Complementary

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



63.5367, 76.5597, 63.6533



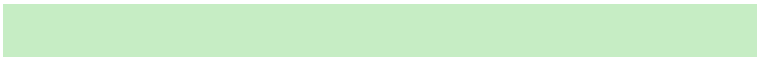
69.2901, 63.2586, 88.6830

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.



85.5647, 76.5597, 88.2551



63.5367, 76.5597, 63.6533



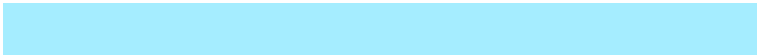
77.4697, 76.5597, 120.1940

Square

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



63.5367, 76.5597, 63.6533



65.5147, 76.5597, 114.1691



82.8521, 76.5597, 106.7656



80.5372, 76.5597, 58.6621

Rectangle

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



63.5367, 76.5597, 63.6533



61.4550, 76.5597, 90.9310



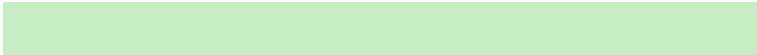
82.8521, 76.5597, 106.7656



85.3899, 76.5597, 76.2223

Sweetspot

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



63.5388, 76.5630, 63.6550



88.7425, 96.9777, 98.2427



74.5863, 81.3820, 64.0029



18.8119, 20.6697, 20.7198



0.0000, 0.0000, 0.0000



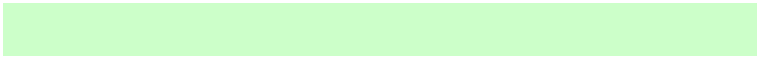
20.3446, 21.4041, 23.3091

Same Dimension

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



63.5388, 76.5630, 63.6550



71.2742, 88.6043, 68.8821



65.2468, 77.1857, 75.3818



14.9363, 16.8972, 15.9930



16.6445, 33.1251, 5.5165



1.3310, 2.6135, 0.4343

Inverse Universe

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



69.2901, 63.2586, 88.6830



79.3276, 69.9716, 103.9326



67.3947, 62.5772, 75.2368



15.6380, 15.2742, 19.0462



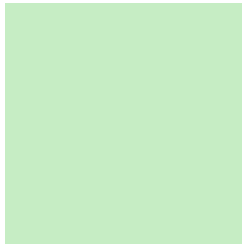
25.4077, 12.1341, 44.7459



2.0175, 0.9644, 3.5147

Previews

White Background



This preview shows how the XYZ color 63.5367, 76.5597, 63.6533 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 63.5367, 76.5597, 63.6533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

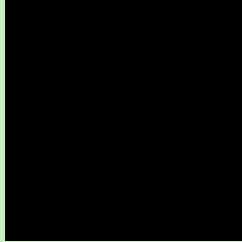
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

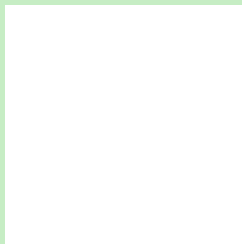
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.5367, 76.5597, 63.6533

Background



This preview shows how black text looks on a background with the XYZ color 63.5367, 76.5597, 63.6533.



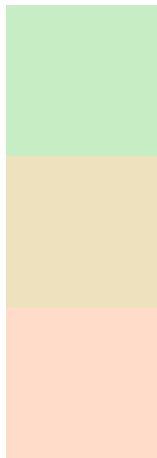
This preview shows how white text looks on a background with the XYZ color 63.5367, 76.5597,

63.6533.

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

63.5367, 76.5597, 63.6533

Protanopia

71.7505, 76.2876, 59.6585

Deuteranopia

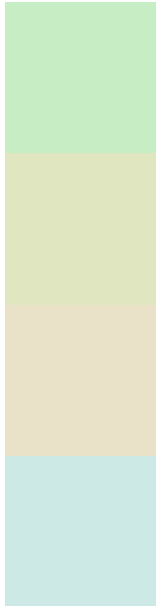
77.2322, 76.1873, 66.5122



Tritanopia

70.9722, 76.6363, 99.8586

Trichromacy



Original Color

63.5367, 76.5597, 63.6533

Protanomaly

68.2427, 76.0874, 60.9587

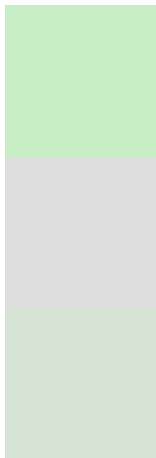
Deuteranomaly

71.5534, 76.0553, 65.5524

Tritanomaly

68.1836, 76.7723, 85.3536

Monochromacy



Original Color

63.5367, 76.5597, 63.6533

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

66.7933, 73.8378, 73.0191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5367, 76.5597, 63.6533 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, 237, 196)` looks like.

```
.text, #text, p{  
    color:rgb(198, 237, 196)  
}
```

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, 237, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 237, 196) }
```

Border

The CSS property to change the border of an element to XYZ 63.5367, 76.5597, 63.6533 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, 237, 196) }
```


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

```
.border{ border-color:rgb(198, 237, 196) }
```

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

Here you see how a box with a 4 pixel rgb(198, 237, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 237, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 237, 196);  
box-shadow:4px 4px 4px 4px rgb(198, 237,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5367, 76.5597, 63.6533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 237, 196) }
```

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

```
.background{ background-color: rgb(198,  
237, 196) }
```

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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