

Converting Colors

XYZ(64.4531, 76.4945, 63.7072)

Have a look what the booklet for
XYZ(64.4531, 76.4945, 63.7072)
contains.

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Color

**XYZ(64.5879, 76.6729,
63.6198)**

Conversions

Conversions Part 1

Format	Color
Hex	CBECC4
RGB	203, 236, 196
RGB Percent	80%, 93%, 77%
CMY	0.2039, 0.0745, 0.2314
CMYK	0.14, 0.00, 0.17, 0.07
HSL	110°, 51%, 85%
HSV	110°, 17%, 93%
XYZ	64.5879, 76.6729, 63.6198
YIQ	221.5730, -6.8280, -19.4360

Conversions

Conversions Part 2

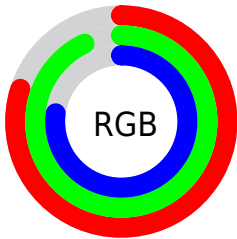
Format	Color
RYB	196, 236, 229
Decimal	13364420
CIELab	90.17, -18.05, 15.85
CIELCh	90, 24.022, 138.710
Yxy	76.6729, 0.3152, 0.3742
Android (android.graphics.Color)	4291554500 (0xFFCBECC4)
YUV	221.5730, -12.6075, -16.2885
Hunter-Lab	87.5631, -21.5709, 18.2164

Details

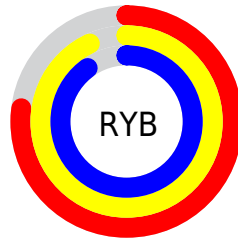
The XYZ color **64.5879, 76.6729, 63.6198** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.1964, 62.1961, 87.8242**, and the grayscale version is **69.2213, 72.8262, 79.3077**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **33.5982, 40.9851, 31.7313** is the 20% darker color. If you saturate the color by 10%, you get **57.1368, 73.1203, 50.3344**, and if you desaturate by 10%, it is **73.1317, 80.7444, 79.1652**.

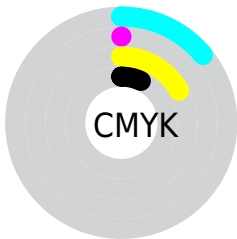
Distribution



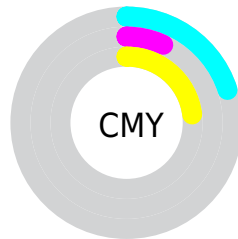
- Red (80%)
- Green (93%)
- Blue (77%)



- Red (77%)
- Yellow (93%)
- Blue (90%)



- Cyan (14%)
- Magenta (0%)
- Yellow (17%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5879, 76.6729, 63.6198 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 64.5879, 76.6729, 63.6198 by changing the saturation by 10% instead.

64.5879, 76.6729,
63.6198

64.5879, 76.6729,
63.6198

430.8782,
483.6480, 455.9851

47.3905, 56.9845,
45.8986

110.5262,
128.6776, 111.6574

33.5537, 40.9928,
31.8177

139.9977,
161.7627, 142.8109

22.7122, 28.3134,
20.9586

174.2914,
200.0821, 179.2788

14.5007, 18.5621,
12.9028

213.7725,
244.0203, 221.4798

8.5537, 11.3543,
7.2317

258.8063,
293.9616, 269.8324

4.5060, 6.3056,
3.5268

309.7583,

1.9922, 3.0318,

350.2903, 324.7551

1.3695

366.9939,
413.3910, 386.6665

0.6296, 1.1484,
0.1178

0.0000, 0.0189,
0.0000

64.5879, 76.6729,
63.6198

64.5879, 76.6729,
63.6198

57.1368, 73.1203,
50.3344

73.1317, 80.7444,
79.1652

50.7279, 70.0563,
39.1991

82.8039, 85.3445,
97.0638

45.3160, 67.4621,
30.1023

89.2869, 88.4739,
106.9790

40.8500, 65.3140,
22.9205

■ 37.2739, 63.5864,
17.5165

■ 34.5261, 62.2507,
13.7352

■ 32.5361, 61.2746,
11.3948

■ 31.2194, 60.6195,
10.2620

■ 30.9232, 60.4714,
10.0423

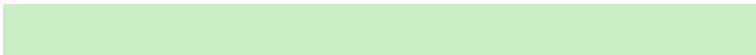
Harmonies

Analogous

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



69.2555, 76.6729, 56.0627



64.5879, 76.6729, 63.6198



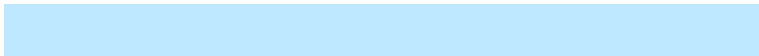
62.1905, 76.6729, 77.2133

Triad

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



64.5879, 76.6729, 63.6198



70.6516, 76.6729, 120.0406



84.2944, 76.6729, 73.3781

Complementary

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



64.5879, 76.6729, 63.6198



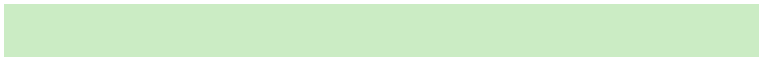
67.1964, 62.1961, 87.8242

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.



84.7187, 76.6729, 90.0848



64.5879, 76.6729, 63.6198



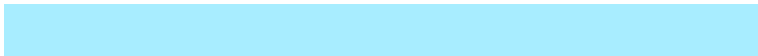
76.6190, 76.6729, 118.6434

Square

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



64.5879, 76.6729, 63.6198



65.5618, 76.6729, 110.6946



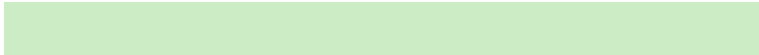
81.8429, 76.6729, 107.1038



80.7134, 76.6729, 61.1431

Rectangle

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



64.5879, 76.6729, 63.6198



62.1099, 76.6729, 88.5607



81.8429, 76.6729, 107.1038



84.8179, 76.6729, 78.6047

Sweetspot

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



64.5900, 76.6762, 63.6215



89.2999, 97.2651, 98.2688



72.4862, 77.6762, 63.3983



18.9468, 20.7392, 20.7261



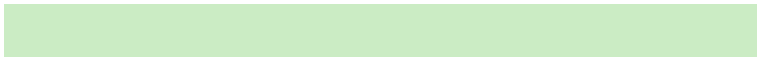
0.0000, 0.0000, 0.0000



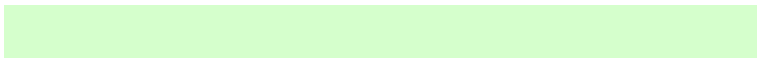
20.3446, 21.4041, 23.3091

Same Dimension

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



64.5900, 76.6762, 63.6215



74.0775, 90.0143, 70.5969



64.2302, 76.3170, 71.4528



15.1140, 16.9888, 16.0013



17.1198, 33.3700, 5.5388



1.4156, 2.6571, 0.4383

Inverse Universe

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



67.1964, 62.1961, 87.8242



77.6757, 70.0124, 104.0275



67.6990, 62.6604, 78.5774



15.4412, 15.1727, 19.0370



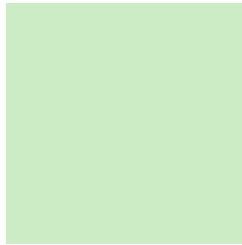
20.8079, 9.7628, 44.5307



1.7018, 0.8016, 3.4999

Previews

White Background



This preview shows how the XYZ color 64.5879, 76.6729, 63.6198 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 64.5879, 76.6729, 63.6198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

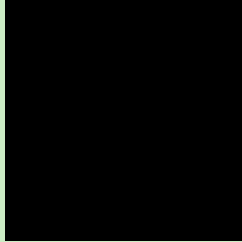
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

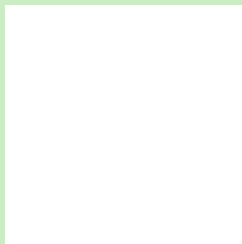
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.5879, 76.6729, 63.6198

Background



This preview shows how black text looks on a background with the XYZ color 64.5879, 76.6729, 63.6198.



This preview shows how white text looks on a background with the XYZ color 64.5879, 76.6729,

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

64.5879, 76.6729, 63.6198

Protanopia

71.8602, 76.3314, 60.2362

Deuteranopia

77.3510, 76.2348, 67.1379



Tritanopia

71.6718, 76.6029, 99.0040

Trichromacy



Original Color

64.5879, 76.6729, 63.6198

Protanomaly

68.9738, 76.4514, 61.5734

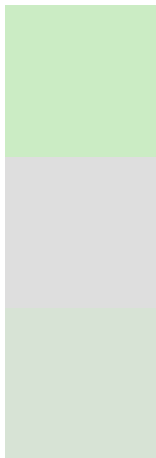
Deuteranomaly

71.9426, 75.8534, 65.4930

Tritanomaly

68.8726, 76.7246, 84.5781

Monochromacy



Original Color

64.5879, 76.6729, 63.6198

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

67.5037, 74.1893, 73.7129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.5879, 76.6729, 63.6198 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(203, 236, 196)` looks like.

```
.text, #text, p{  
    color:rgb(203, 236, 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(203, 236, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 236, 196) }
```

Border

The CSS property to change the border of an element to XYZ 64.5879, 76.6729, 63.6198 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(203, 236, 196) }
```


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

```
.border{ border-color:rgb(203, 236, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 236, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 236, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 236, 196); box-shadow:4px 4px 4px 4px rgb(203, 236, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 64.5879, 76.6729, 63.6198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 236, 196) }
```

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

```
.background{ background-color: rgb(203,  
236, 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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