

Converting Colors

XYZ(63.8296, 75.7117, 50.7848)

Have a look what the booklet for
XYZ(63.8296, 75.7117, 50.7848)
contains.

XYZ(63.8296, 75.7117, 50.7848)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(63.8296, 75.7117,
50.7848)**

Conversions

Conversions Part 1

Format	Color
Hex	D3EAAD
RGB	211, 234, 173
RGB Percent	83%, 92%, 68%
CMY	0.1725, 0.0823, 0.3216
CMYK	0.10, 0.00, 0.26, 0.08
HSL	83°, 59%, 80%
HSV	83°, 26%, 92%
XYZ	63.8296, 75.7117, 50.7848
YIQ	220.1690, 5.8730, -23.8470

Conversions

Conversions Part 2

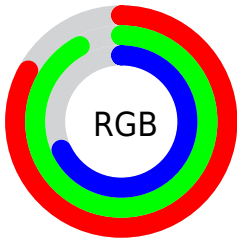
Format	Color
RYB	173, 234, 196
Decimal	13888173
CIELab	89.73, -17.86, 27.18
CIELCh	90, 32.522, 123.302
Yxy	75.7117, 0.3354, 0.3978
Android (android.graphics.Color)	4292078253 (0xFFD3EAAD)
YUV	220.1690, -23.2543, -8.0412
Hunter-Lab	87.0125, -21.3299, 26.3041

Details

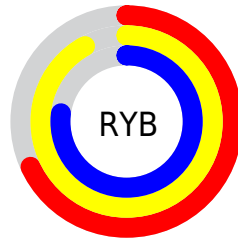
The XYZ color **63.8296, 75.7117, 50.7848** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.5629, 47.5655, 84.2569**, and the grayscale version is **68.3017, 71.8587, 78.2541**.

A 20% lighter version of the original color is **91.1429, 98.4371, 88.3253**, and **33.0209, 40.2648, 23.8008** is the 20% darker color. If you saturate the color by 10%, you get **59.3021, 73.6191, 39.7706**, and if you desaturate by 10%, it is **68.8964, 78.0411, 63.8974**.

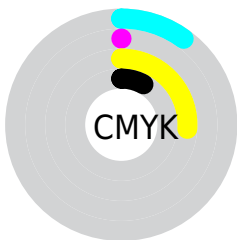
Distribution



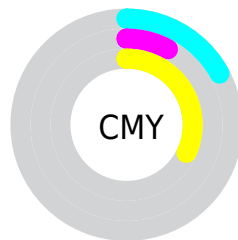
- Red (83%)
- Green (92%)
- Blue (68%)



- Red (68%)
- Yellow (92%)
- Blue (77%)



- Cyan (10%)
- Magenta (0%)
- Yellow (26%)
- Black (8%)



- Cyan (17%)
- Magenta (8%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.8296, 75.7117, 50.7848 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 63.8296, 75.7117, 50.7848 by changing the saturation by 10% instead.

63.8296, 75.7117,
50.7848

63.8296, 75.7117,
50.7848

428.1860,
480.3602, 406.5498

46.7738, 56.1961,
35.6618

109.4406,
127.3193, 92.7448

33.0641, 40.3602,
23.8855

138.7266,
160.1801, 120.4190

22.3350, 27.8195,
15.0373

172.8200,
198.2581, 153.1139

14.2213, 18.1896,
8.6987

212.0861,
241.9378, 191.2482

8.3574, 11.0862,
4.4510

256.8905,
291.6034, 235.2404

4.3782, 6.1249,
1.8759

307.5984,

1.9183, 2.9212,

347.6394, 285.5091

0.4773

364.5751,
410.4302, 342.4727

■ 0.5874, 1.0907,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.8296, 75.7117,
50.7848

■ 63.8296, 75.7117,
50.7848

■ 59.3021, 73.6191,
39.7706

■ 68.8964, 78.0411,
63.8974

■ 55.2853, 71.7441,
30.7409

■ 74.5181, 80.6062,
79.2046

■ 51.7561, 70.0796,
23.5784

■ 80.7166, 83.4185,
96.8027

■ 48.6875, 68.6146,
18.1515

■ 85.5855, 85.7158,
106.6417

■ 46.0486, 67.3365,
14.3115

■ 88.7144, 87.3289,
106.7881

■ 43.8042, 66.2309,
11.8847

■ 41.9109, 65.2800,
10.6555

■ 41.2357, 64.9378,
10.3609

Harmonies

Analogous

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



71.0778, 75.7117, 45.7668



63.8296, 75.7117, 50.7848



59.0563, 75.7117, 64.1597

Triad

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



63.8296, 75.7117, 50.7848



65.2593, 75.7117, 128.4743



88.4648, 75.7117, 79.9214

Complementary

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



63.8296, 75.7117, 50.7848



52.5629, 47.5655, 84.2569

Split Complementary

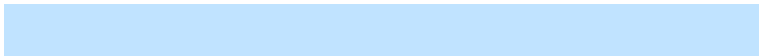
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6222, 75.7117, 103.8928



63.8296, 75.7117, 50.7848



72.8529, 75.7117, 134.8000

Square

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



63.8296, 75.7117, 50.7848



59.8377, 75.7117, 109.1145



80.7567, 75.7117, 125.0878



85.6218, 75.7117, 60.5063

Rectangle

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



63.8296, 75.7117, 50.7848



57.7190, 75.7117, 77.3973



80.7567, 75.7117, 125.0878



88.3736, 75.7117, 87.6912

Sweetspot

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



63.8316, 75.7150, 50.7864



89.1638, 97.3251, 92.3808



61.0747, 59.7069, 47.8418



18.8586, 20.7285, 19.1514



0.0000, 0.0000, 0.0000



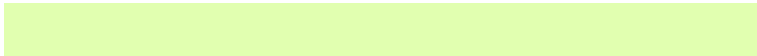
20.3446, 21.4041, 23.3091

Same Dimension

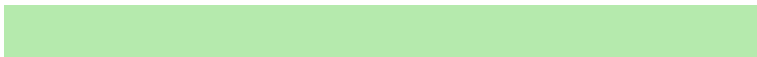
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.8316, 75.7150, 50.7864



74.7019, 90.6906, 54.6162



56.0554, 71.7063, 50.4225



15.7697, 17.3268, 16.0320



23.3150, 36.5638, 5.8287



1.9370, 2.9259, 0.4627

Inverse Universe

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



52.5629, 47.5655, 84.2569



58.9528, 51.3387, 101.4099



61.1199, 51.9768, 84.6573



14.7680, 14.8257, 19.0055



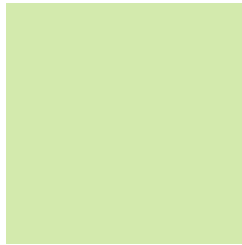
10.7488, 4.5772, 44.0599



0.9478, 0.4129, 3.4646

Previews

White Background



This preview shows how the XYZ color 63.8296, 75.7117, 50.7848 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 63.8296, 75.7117, 50.7848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

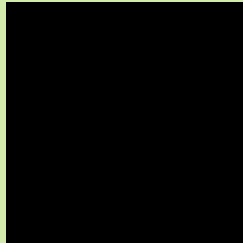
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

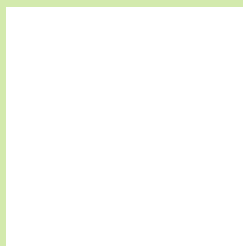
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.8296, 75.7117, 50.7848

Background



This preview shows how black text looks on a background with the XYZ color 63.8296, 75.7117, 50.7848.

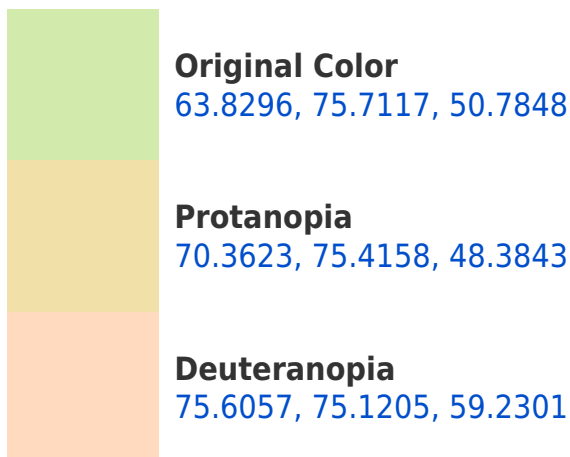


This preview shows how white text looks on a background with the XYZ color 63.8296, 75.7117,

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

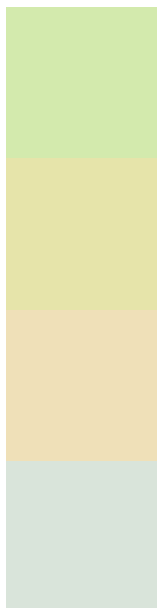




Tritanopia

72.9217, 75.6936, 95.5610

Trichromacy



Original Color

63.8296, 75.7117, 50.7848

Protanomaly

67.6322, 75.2121, 48.9830

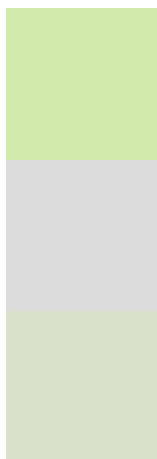
Deuteranomaly

70.9040, 75.1227, 56.1105

Tritanomaly

69.0136, 75.3005, 77.2267

Monochromacy



Original Color

63.8296, 75.7117, 50.7848

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.3200, 72.9139, 67.0783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.8296, 75.7117, 50.7848 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(211, 234, 173)` looks like.

```
.text, #text, p{  
    color:rgb(211, 234, 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(211, 234, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 234, 173) }
```

Border

The CSS property to change the border of an element to XYZ 63.8296, 75.7117, 50.7848 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(211, 234, 173) }
```


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

```
.border{ border-color:rgb(211, 234, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 234, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 234, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 234, 173);  
box-shadow:4px 4px 4px 4px rgb(211, 234,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 63.8296, 75.7117, 50.7848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 234, 173) }
```

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

```
.background{ background-color: rgb(211,  
234, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor