

Converting Colors

XYZ(63.5639, 76.3262, 50.5515)

Have a look what the booklet for
XYZ(63.5639, 76.3262, 50.5515)
contains.

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Color

**XYZ(63.7363, 76.5248,
50.4412)**

Conversions

Conversions Part 1

Format	Color
Hex	D1ECAC
RGB	209, 236, 172
RGB Percent	82%, 93%, 67%
CMY	0.1804, 0.0745, 0.3255
CMYK	0.11, 0.00, 0.27, 0.07
HSL	85°, 63%, 80%
HSV	85°, 27%, 93%
XYZ	63.7363, 76.5248, 50.4412
YIQ	220.6310, 4.4520, -25.6280

Conversions

Conversions Part 2

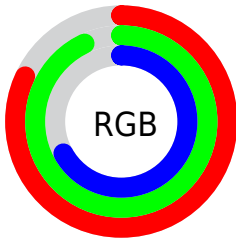
Format	Color
RYB	172, 236, 199
Decimal	13757612
CIELab	90.10, -19.70, 28.18
CIELCh	90, 34.383, 124.948
Yxy	76.5248, 0.3342, 0.4013
Android (android.graphics.Color)	4291947692 (0xFFD1ECAC)
YUV	220.6310, -23.9751, -10.2004
Hunter-Lab	87.4785, -23.0332, 27.0475

Details

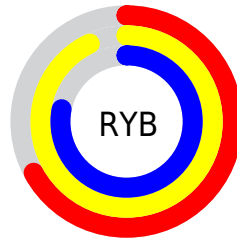
The XYZ color **63.7363, 76.5248, 50.4412** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.4492, 47.7054, 85.7522**, and the grayscale version is **68.6307, 72.2049, 78.6311**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **32.9775, 40.8445, 23.5984** is the 20% darker color. If you saturate the color by 10%, you get **58.9387, 74.2929, 39.4175**, and if you desaturate by 10%, it is **69.1166, 79.0152, 63.5964**.

Distribution



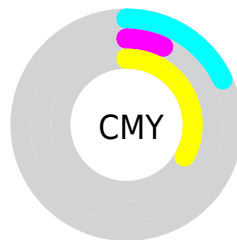
- Red (82%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (78%)



- Cyan (11%)
- Magenta (0%)
- Yellow (27%)
- Black (7%)





- Cyan (18%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7363, 76.5248, 50.4412 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 63.7363, 76.5248, 50.4412 by changing the saturation by 10% instead.


 63.7363, 76.5248,
50.4412

 63.7363, 76.5248,
50.4412


427.8541,
483.1423, 405.1732

 46.6980, 56.8629,
35.3905


 109.3069,
128.4685, 92.2313

 33.0039, 40.8952,
23.6778


138.5700,
161.5191, 119.8077

 22.2887, 28.2372,
14.8848


172.6387,
199.8014, 152.3963

 14.1870, 18.5046,
8.5929

211.8784,
243.6998, 190.4159

 8.3334, 11.3128,
4.3834

256.6544,
293.5987, 234.2848

 4.3626, 6.2777,
1.8380

307.3321,

 1.9092, 3.0146,

349.8825, 284.4216

0.4528

364.2769,
412.9355, 341.2449

■ 0.5822, 1.1394,
0.0000

■ 0.0000, 0.0113,
0.0000

■ 63.7363, 76.5248,
50.4412

■ 63.7363, 76.5248,
50.4412

■ 58.9387, 74.2929,
39.4175

■ 69.1166, 79.0152,
63.5964

■ 54.6933, 72.2994,
30.4080

■ 75.0964, 81.7636,
78.9822

■ 50.9756, 70.5365,
23.2917

■ 81.6992, 84.7822,
96.6974

■ 47.7564, 68.9922,
17.9325

■ 87.0541, 87.3230,
106.8745

■ 45.0029, 67.6530,
14.1764

■ 89.2871, 88.4741,
106.9790

■ 42.6772, 66.5033,
11.8423

■ 40.7311, 65.5235,
10.6958

■ 40.2199, 65.2642,
10.4774

Harmonies

Analogous

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



71.3287, 76.5248, 44.7336



63.7363, 76.5248, 50.4412



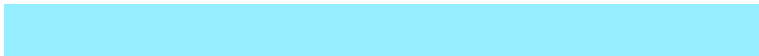
58.8624, 76.5248, 64.9700

Triad

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



63.7363, 76.5248, 50.4412



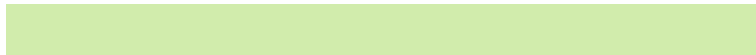
66.0070, 76.5248, 133.5424



90.3326, 76.5248, 79.3355

Complementary

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



63.7363, 76.5248, 50.4412



53.4492, 47.7054, 85.7522

Split Complementary

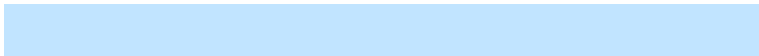
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.6310, 76.5248, 104.8414



63.7363, 76.5248, 50.4412



74.1587, 76.5248, 139.4403

Square

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



63.7363, 76.5248, 50.4412



60.0998, 76.5248, 113.2366



82.5421, 76.5248, 128.0691



87.0265, 76.5248, 59.2034

Rectangle

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



63.7363, 76.5248, 50.4412



57.5869, 76.5248, 79.2536



82.5421, 76.5248, 128.0691



90.3296, 76.5248, 87.5284

Sweetspot

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



63.7383, 76.5281, 50.4428



88.8415, 97.1590, 92.3657



62.3882, 61.5077, 47.6148



18.7773, 20.6866, 19.1476



0.0000, 0.0000, 0.0000



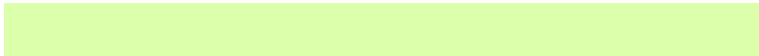
20.3446, 21.4041, 23.3091

Same Dimension

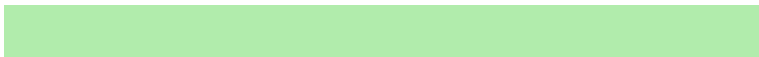
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.7383, 76.5281, 50.4428



72.4587, 89.5914, 51.9270



55.6517, 72.3594, 50.0644



15.7023, 17.2921, 16.0288



22.3197, 36.0507, 5.7821



1.8621, 2.8873, 0.4592

Inverse Universe

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



53.4492, 47.7054, 85.7522



58.1371, 49.4620, 101.0907



62.7433, 52.4967, 86.1871



14.8336, 14.8595, 19.0086



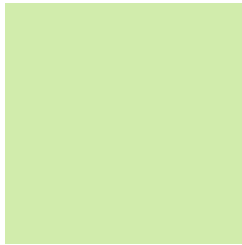
11.3573, 4.8908, 44.0884



0.9995, 0.4395, 3.4670

Previews

White Background



This preview shows how the XYZ color 63.7363, 76.5248, 50.4412 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 63.7363, 76.5248, 50.4412 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

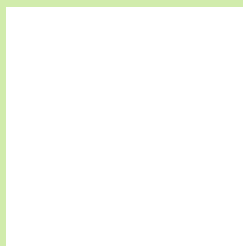
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7363, 76.5248, 50.4412

Background



This preview shows how black text looks on a background with the XYZ color 63.7363, 76.5248, 50.4412.



This preview shows how white text looks on a background with the XYZ color 63.7363, 76.5248,

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

63.7363, 76.5248, 50.4412

Protanopia

71.2264, 76.2746, 48.0142

Deuteranopia

76.3476, 76.2522, 60.5634



Tritanopia

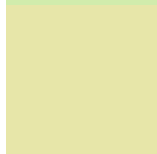
73.0116, 76.5299, 96.5116

Trichromacy



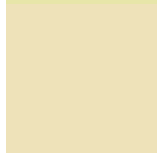
Original Color

63.7363, 76.5248, 50.4412



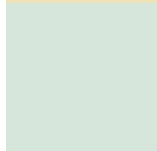
Protanomaly

68.4132, 76.4471, 48.6861



Deuteranomaly

71.2132, 76.0726, 56.8291



Tritanomaly

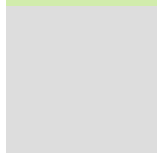
68.9760, 76.1027, 77.3835

Monochromacy



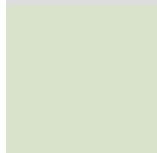
Original Color

63.7363, 76.5248, 50.4412



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.5911, 73.4562, 67.1687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7363, 76.5248, 50.4412 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(209, 236, 172)` looks like.

```
.text, #text, p{  
    color:rgb(209, 236, 172)  
}
```

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(209, 236, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 236, 172) }
```

Border

The CSS property to change the border of an element to XYZ 63.7363, 76.5248, 50.4412 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(209, 236, 172) }
```


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

```
.border{ border-color:rgb(209, 236, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 236, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 236, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 236, 172);  
box-shadow:4px 4px 4px 4px rgb(209, 236,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7363, 76.5248, 50.4412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 236, 172) }
```

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

```
.background{ background-color: rgb(209,  
236, 172) }
```

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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