

Converting Colors

XYZ(65.4637, 77.4525, 50.0687)

Have a look what the booklet for
XYZ(65.4637, 77.4525, 50.0687)
contains.

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Color

**XYZ(65.3705, 77.3783,
50.0182)**

Conversions

Conversions Part 1

Format	Color
Hex	D7ECAB
RGB	215, 236, 171
RGB Percent	84%, 93%, 67%
CMY	0.1569, 0.0745, 0.3294
CMYK	0.09, 0.00, 0.28, 0.07
HSL	79°, 63%, 80%
HSV	79°, 28%, 93%
XYZ	65.3705, 77.3783, 50.0182
YIQ	222.3110, 8.3490, -24.6670

Conversions

Conversions Part 2

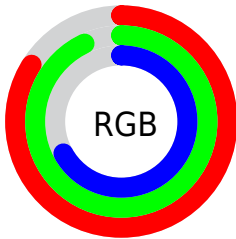
Format	Color
RYB	171, 236, 192
Decimal	14150827
CIELab	90.50, -17.68, 29.29
CIELCh	90, 34.216, 121.114
Yxy	77.3783, 0.3391, 0.4014
Android (android.graphics.Color)	4292340907 (0xFFD7ECAB)
YUV	222.3110, -25.2963, -6.4117
Hunter-Lab	87.9649, -21.2877, 27.8623

Details

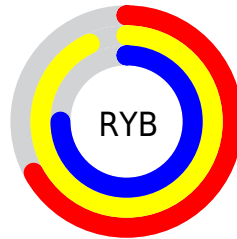
The XYZ color **65.3705, 77.3783, 50.0182** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **51.4446, 46.3906, 85.6041**, and the grayscale version is **69.8219, 73.4581, 79.9958**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **34.0885, 41.4241, 23.3385** is the 20% darker color. If you saturate the color by 10%, you get **61.1320, 75.4328, 39.1073**, and if you desaturate by 10%, it is **70.1191, 79.5451, 63.0527**.

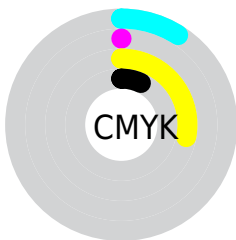
Distribution



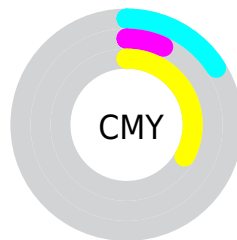
- Red (84%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (75%)



- Cyan (9%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)



- Cyan (16%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3705, 77.3783, 50.0182 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 65.3705, 77.3783, 50.0182 by changing the saturation by 10% instead.

65.3705, 77.3783,
50.0182

65.3705, 77.3783,
50.0182

433.6464,
486.0529, 403.4742

48.0274, 57.5634,
35.0566

111.6451,
129.6734, 91.5984

34.0599, 41.4578,
23.4226

141.3073,
162.9223, 119.0541

23.1027, 28.6769,
14.6976

175.8066,
201.4181, 151.5116

14.7905, 18.8366,
8.4632

215.5083,
245.5450, 189.3893

8.7578, 11.5522,
4.3007

260.7777,
295.6876, 233.1059

4.6394, 6.4396,
1.7917

311.9803,

2.0698, 3.1142,

352.2302, 283.0799

0.4225

369.4814,
415.5571, 339.7298

■ 0.6727, 1.1916,
0.0000

■ 0.0000, 0.0548,
0.0000

■ 65.3705, 77.3783,
50.0182

■ 65.3705, 77.3783,
50.0182

■ 61.1320, 75.4328,
39.1073

■ 70.1191, 79.5451,
63.0527

■ 57.3748, 73.6891,
30.2023

■ 75.3930, 81.9317,
78.3100

■ 54.0761, 72.1405,
23.1819

■ 81.2141, 84.5495,
95.8893

■ 51.2086, 70.7760,
17.9095

■ 85.8799, 86.7177,
106.8196

■ 48.7414, 69.5830,
14.2300

■ 88.6031, 88.1216,
106.9470

■ 46.6382, 68.5468,
11.9612

■ 89.2871, 88.4742,
106.9790

■ 44.8514, 67.6482,
10.8600

■ 44.4430, 67.4413,
10.6751

Harmonies

Analogous

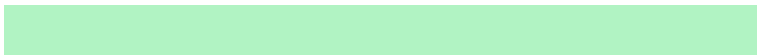
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.2266, 77.3783, 45.3889



65.3705, 77.3783, 50.0182



60.0651, 77.3783, 63.4855

Triad

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



65.3705, 77.3783, 50.0182



65.8837, 77.3783, 132.5872



91.2447, 77.3783, 83.3396

Complementary

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



65.3705, 77.3783, 50.0182



51.4446, 46.3906, 85.6041

Split Complementary

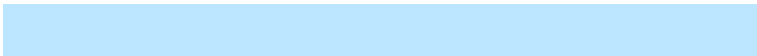
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.9060, 77.3783, 109.1146



65.3705, 77.3783, 50.0182



73.8659, 77.3783, 140.6624

Square

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



65.3705, 77.3783, 50.0182



60.3449, 77.3783, 111.0095



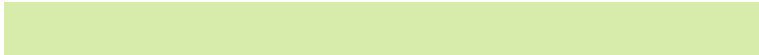
82.3757, 77.3783, 131.3524



88.5437, 77.3783, 62.1815

Rectangle

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



65.3705, 77.3783, 50.0182



58.4642, 77.3783, 77.1834



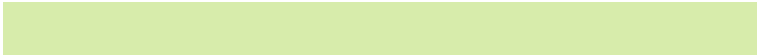
82.3757, 77.3783, 131.3524



91.0206, 77.3783, 91.7391

Sweetspot

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



65.3725, 77.3817, 50.0199



89.5539, 97.5262, 92.3990



60.7039, 58.2922, 46.5813



18.9571, 20.7793, 19.1560



0.0000, 0.0000, 0.0000



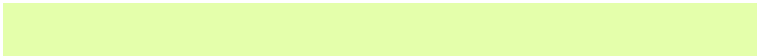
20.3446, 21.4041, 23.3091

Same Dimension

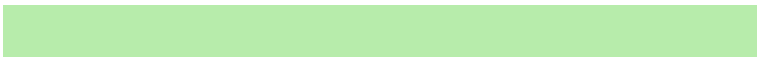
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.3725, 77.3817, 50.0199



75.0304, 90.9171, 52.0474



56.8573, 72.9920, 49.6214



15.8513, 17.3689, 16.0358



24.6376, 37.2456, 5.8906



2.0345, 2.9761, 0.4672

Inverse Universe

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



51.4446, 46.3906, 85.6041



55.8844, 48.3007, 100.9853



60.4724, 51.0445, 86.0266



14.6895, 14.7852, 19.0019



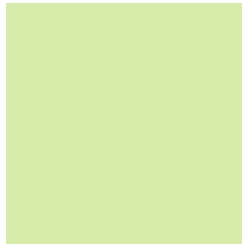
10.1200, 4.2530, 44.0305



0.8920, 0.3841, 3.4620

Previews

White Background



This preview shows how the XYZ color 65.3705, 77.3783, 50.0182 looks on a white background.

Color Contrast Check

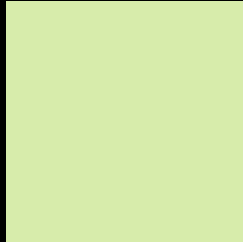
Large Text (above 18pt) WCAG AA × Fail

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 65.3705, 77.3783, 50.0182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

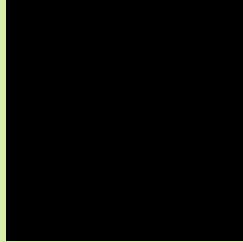
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

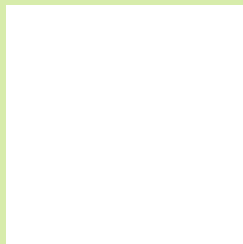
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.3705, 77.3783, 50.0182

Background



This preview shows how black text looks on a background with the XYZ color 65.3705, 77.3783, 50.0182.

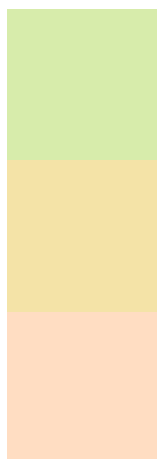


This preview shows how white text looks on a background with the XYZ color 65.3705, 77.3783,

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

65.3705, 77.3783, 50.0182

Protanopia

71.7524, 76.9613, 47.6325

Deuteranopia

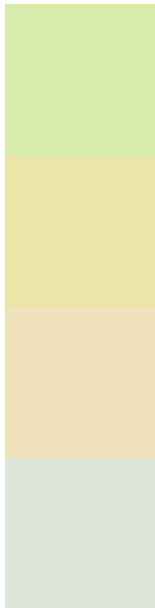
76.8341, 76.8679, 61.8263



Tritanopia

74.5768, 76.9319, 96.5067

Trichromacy



Original Color

65.3705, 77.3783, 50.0182

Protanomaly

68.9690, 76.7444, 48.2239

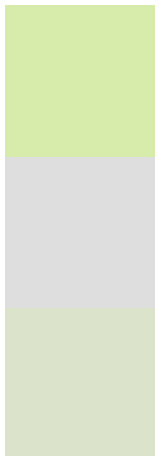
Deuteranomaly

71.9945, 76.4631, 57.4187

Tritanomaly

70.6400, 76.9755, 76.7803

Monochromacy



Original Color

65.3705, 77.3783, 50.0182

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

67.4620, 74.3100, 67.2876

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3705, 77.3783, 50.0182 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(215, 236, 171)` looks like.

```
.text, #text, p{  
    color:rgb(215, 236, 171)  
}
```

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(215, 236, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 236, 171) }
```

Border

The CSS property to change the border of an element to XYZ 65.3705, 77.3783, 50.0182 is called "border". The border property can be set on classes, ids or directly on the HTML element.

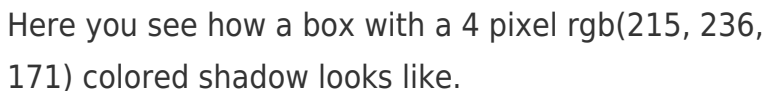
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(215, 236, 171) }
```


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

```
.border{ border-color:rgb(215, 236, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(215, 236, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 236, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 236, 171);  
box-shadow:4px 4px 4px 4px rgb(215, 236,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3705, 77.3783, 50.0182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 236, 171) }
```

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

```
.background{ background-color: rgb(215,  
236, 171) }
```

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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