

Converting Colors

XYZ(64.4997, 76.4697, 51.4050)

Have a look what the booklet for
XYZ(64.4997, 76.4697, 51.4050)
contains.

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Color

**XYZ(64.4997, 76.4697,
51.4050)**

Conversions

Conversions Part 1

Format	Color
Hex	D4EBAE
RGB	212, 235, 174
RGB Percent	83%, 92%, 68%
CMY	0.1686, 0.0784, 0.3176
CMYK	0.10, 0.00, 0.26, 0.08
HSL	83°, 60%, 80%
HSV	83°, 26%, 92%
XYZ	64.4997, 76.4697, 51.4050
YIQ	221.1690, 5.8730, -23.8470

Conversions

Conversions Part 2

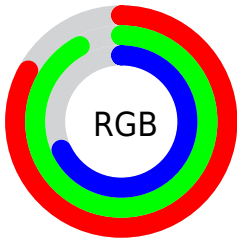
Format	Color
RYB	174, 235, 197
Decimal	13953966
CIELab	90.08, -17.85, 27.16
CIElCh	90, 32.497, 123.308
Yxy	76.4697, 0.3353, 0.3975
Android (android.graphics.Color)	4292144046 (0xFFD4EBAE)
YUV	221.1690, -23.2543, -8.0412
Hunter-Lab	87.4470, -21.3730, 26.3597

Details

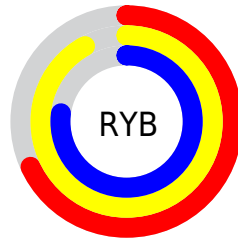
The XYZ color **64.4997, 76.4697, 51.4050** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.1604, 48.1426, 85.0920**, and the grayscale version is **69.0030, 72.5965, 79.0576**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **33.4759, 40.7888, 24.1978** is the 20% darker color. If you saturate the color by 10%, you get **59.9218, 74.3540, 40.2599**, and if you desaturate by 10%, it is **69.6227, 78.8248, 64.6710**.

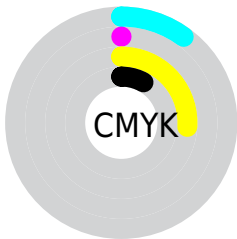
Distribution



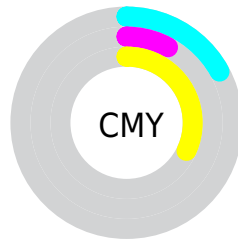
- Red (83%)
- Green (92%)
- Blue (68%)



- 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 64.4997, 76.4697, 51.4050 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 64.4997, 76.4697, 51.4050 by changing the saturation by 10% instead.

■ 64.4997, 76.4697,
51.4050

■ 64.4997, 76.4697,
51.4050

430.5656,
482.9541, 409.0266

■ 47.3187, 56.8177,
36.1521

■ 110.4000,
128.3906, 93.6708

■ 33.4967, 40.8589,
24.2610

139.8500,
161.4284, 121.5207

■ 22.6683, 28.2089,
15.3134

174.1204,
199.6969, 154.4067

■ 14.4681, 18.4832,
8.8906

213.5765,
243.5805, 192.7473

■ 8.5308, 11.2974,
4.5740

258.5838,
293.4636, 236.9610

■ 4.4911, 6.2673,
1.9452

309.5075,

■ 1.9835, 3.0083,

349.7307, 287.4665

0.5213

366.7130,
412.7660, 344.6822

0.6247, 1.1361,
0.0000

0.0000, 0.0085,
0.0000

64.4997, 76.4697,
51.4050

64.4997, 76.4697,
51.4050

59.9218, 74.3540,
40.2599

69.6227, 78.8248,
64.6710

55.8599, 72.4581,
31.1207

75.3065, 81.4180,
80.1550

52.2909, 70.7750,
23.8690

81.5731, 84.2611,
97.9542

49.1874, 69.2936,
18.3719

86.2764, 86.4958,
106.7558

■ 46.5184, 68.0011,
14.4795

■ 88.9999, 87.8998,
106.8833

■ 44.2483, 66.8829,
12.0163

■ 42.3332, 65.9214,
10.7657

■ 41.6322, 65.5660,
10.4613

Harmonies

Analogous

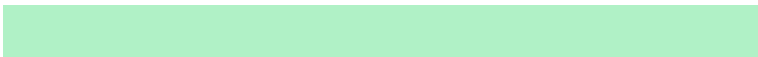
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.7916, 76.4697, 46.3479



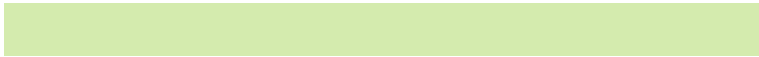
64.4997, 76.4697, 51.4050



59.6967, 76.4697, 64.8743

Triad

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



64.4997, 76.4697, 51.4050



65.9406, 76.4697, 129.5448



89.2777, 76.4697, 80.7277

Complementary

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



64.4997, 76.4697, 51.4050



53.1604, 48.1426, 85.0920

Split Complementary

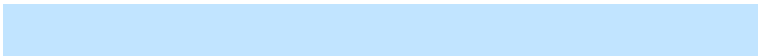
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.4260, 76.4697, 104.8333



64.4997, 76.4697, 51.4050



73.5800, 76.4697, 135.8975

Square

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



64.4997, 76.4697, 51.4050



60.4844, 76.4697, 110.0908



81.5289, 76.4697, 126.1366



86.4186, 76.4697, 61.1905

Rectangle

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



64.4997, 76.4697, 51.4050



58.3511, 76.4697, 78.1965



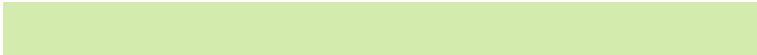
81.5289, 76.4697, 126.1366



89.1863, 76.4697, 88.5427

Sweetspot

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



64.5017, 76.4731, 51.4066



89.1638, 97.3251, 92.3808



61.7265, 60.3662, 48.4440



18.8586, 20.7285, 19.1514



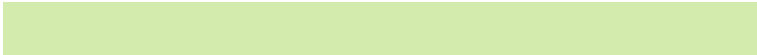
0.0000, 0.0000, 0.0000



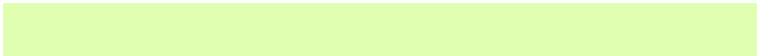
20.3446, 21.4041, 23.3091

Same Dimension

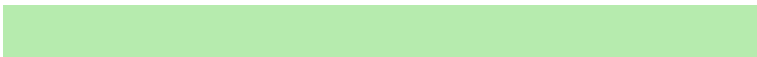
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.5017, 76.4731, 51.4066



74.7020, 90.6907, 54.6162



56.6736, 72.4375, 51.0403



15.7697, 17.3268, 16.0320



23.3151, 36.5639, 5.8287



1.9370, 2.9259, 0.4627

Inverse Universe

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



53.1604, 48.1426, 85.0920



58.9526, 51.3386, 101.4099



61.7708, 52.5814, 85.4950



14.7680, 14.8257, 19.0055



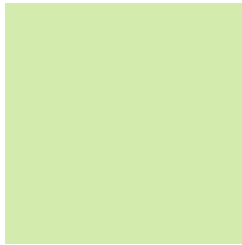
10.7488, 4.5771, 44.0599



0.9478, 0.4129, 3.4646

Previews

White Background



This preview shows how the XYZ color 64.4997, 76.4697, 51.4050 looks on a white background.

Color Contrast Check

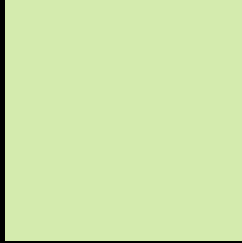
Large Text (above 18pt) WCAG AA × Fail

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 64.4997, 76.4697, 51.4050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

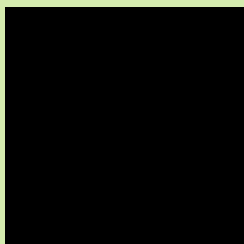
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

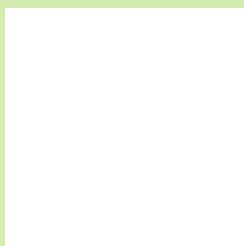
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4997, 76.4697, 51.4050

Background



This preview shows how black text looks on a background with the XYZ color 64.4997, 76.4697, 51.4050.



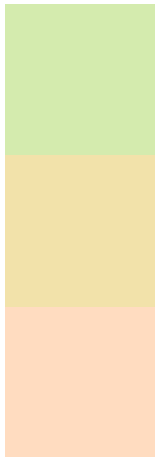
This preview shows how white text looks on a background with the XYZ color 64.4997, 76.4697,

51.4050.

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

64.4997, 76.4697, 51.4050

Protanopia

71.0700, 76.1722, 48.9871

Deuteranopia

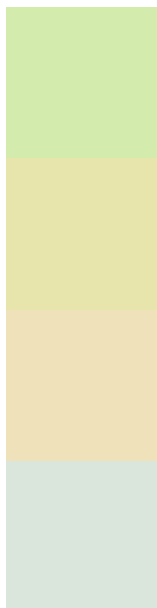
76.3476, 76.2522, 60.5634



Tritanopia

73.6497, 76.4540, 96.4633

Trichromacy



Original Color

64.4997, 76.4697, 51.4050

Protanomaly

68.3250, 75.9678, 49.5902

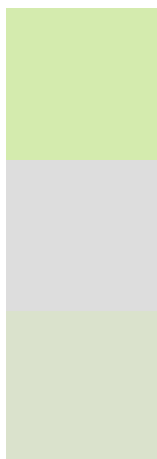
Deuteranomaly

71.2788, 75.7039, 56.7545

Tritanomaly

69.7189, 76.0585, 78.0240

Monochromacy



Original Color

64.4997, 76.4697, 51.4050

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.0089, 73.6578, 67.8124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4997, 76.4697, 51.4050 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(212, 235, 174)` looks like.

```
.text, #text, p{  
    color:rgb(212, 235, 174)  
}
```

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(212, 235, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 235, 174) }
```

Border

The CSS property to change the border of an element to XYZ 64.4997, 76.4697, 51.4050 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(212, 235, 174) }
```


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

```
.border{ border-color:rgb(212, 235, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 235, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 235, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 235, 174);  
box-shadow:4px 4px 4px 4px rgb(212, 235,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4997, 76.4697, 51.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 235, 174) }
```

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

```
.background{ background-color: rgb(212,  
235, 174) }
```

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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