

Converting Colors

XYZ(64.4068, 77.9616, 49.4499)

Have a look what the booklet for
XYZ(64.4068, 77.9616, 49.4499)
contains.

XYZ(64.4086, 77.7530, 49.6433)	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(64.4086, 77.7530,
49.6433)**

Conversions

Conversions Part 1

Format	Color
Hex	D2EEAA
RGB	210, 238, 170
RGB Percent	82%, 93%, 67%
CMY	0.1765, 0.0666, 0.3333
CMYK	0.12, 0.00, 0.29, 0.07
HSL	85°, 67%, 80%
HSV	85°, 29%, 93%
XYZ	64.4086, 77.7530, 49.6433
YIQ	221.8760, 5.1400, -27.0840

Conversions

Conversions Part 2

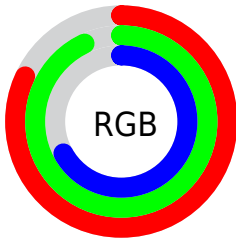
Format	Color
RYB	170, 238, 198
Decimal	13823658
CIELab	90.67, -20.60, 29.98
CIELCh	91, 36.370, 124.492
Yxy	77.7530, 0.3358, 0.4054
Android (android.graphics.Color)	4292013738 (0xFFD2EEAA)
YUV	221.8760, -25.5749, -10.4153
Hunter-Lab	88.1777, -23.9271, 28.3446

Details

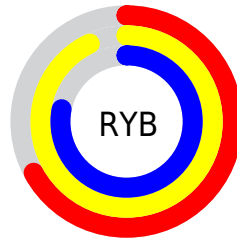
The XYZ color **64.4086, 77.7530, 49.6433** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.0991, 46.9304, 87.1530**, and the grayscale version is **69.5177, 73.1380, 79.6473**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **33.4564, 41.7088, 23.1169** is the 20% darker color. If you saturate the color by 10%, you get **59.6528, 75.5407, 38.7132**, and if you desaturate by 10%, it is **69.7470, 80.2233, 62.7314**.

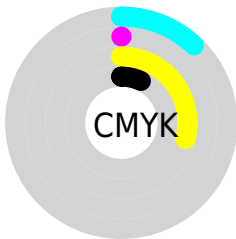
Distribution



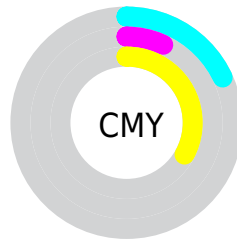
- Red (82%)
- Green (93%)
- Blue (67%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (29%)
- Black (7%)




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.4086, 77.7530, 49.6433 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 64.4086, 77.7530, 49.6433 by changing the saturation by 10% instead.


 64.4086, 77.7530,
49.6433

 64.4086, 77.7530,
49.6433


430.2426,
487.3276, 401.9644

 47.2446, 57.8711,
34.7609


 110.2696,
130.2019, 91.0370

 33.4378, 41.7050,
23.1966


139.6974,
163.5376, 118.3854

 22.6229, 28.8704,
14.5321

173.9438,
202.1268, 150.7261

 14.4345, 18.9828,
8.3487

213.3741,
246.3538, 188.4777

 8.5072, 11.6578,
4.2279

258.3538,
296.6029, 232.0589

 4.4757, 6.5111,
1.7512

309.2482,

 1.9746, 3.1583,

353.2587, 281.8880

0.3955

366.4227,
416.7054, 338.3837

■ 0.6196, 1.2149,
0.0000

■ 0.0000, 0.0738,
0.0000

■ 64.4086, 77.7530,
49.6433

■ 64.4086, 77.7530,
49.6433

■ 59.6528, 75.5407,
38.7132

■ 69.7470, 80.2233,
62.7314

■ 55.4486, 73.5659,
29.8201

■ 75.6852, 82.9510,
78.0799

■ 51.7708, 71.8206,
22.8386

■ 82.2473, 85.9486,
95.7906

■ 48.5893, 70.2925,
17.6277

■ 87.7667, 88.5500,
107.0738

■ 45.8703, 68.9677,
14.0264

■ 89.8662, 89.6323,
107.1721

■ 43.5745, 67.8301,
11.8449

■ 41.6458, 66.8568,
10.8073

■ 41.3899, 66.7270,
10.6981

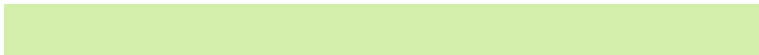
Harmonies

Analogous

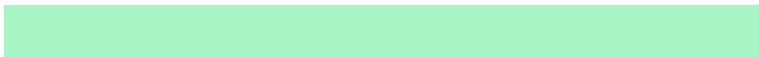
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5368, 77.7530, 43.8102



64.4086, 77.7530, 49.6433



59.1767, 77.7530, 64.8199

Triad

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



64.4086, 77.7530, 49.6433



66.6038, 77.7530, 138.5634



92.8010, 77.7530, 80.7866

Complementary

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



64.4086, 77.7530, 49.6433



53.0991, 46.9304, 87.1530

Split Complementary

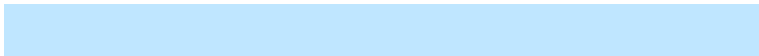
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8872, 77.7530, 108.1838



64.4086, 77.7530, 49.6433



75.2840, 77.7530, 145.2535

Square

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



64.4086, 77.7530, 49.6433



60.3690, 77.7530, 116.4073



84.2850, 77.7530, 133.1715



89.3196, 77.7530, 59.2830

Rectangle

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



64.4086, 77.7530, 49.6433



57.7835, 77.7530, 79.9297



84.2850, 77.7530, 133.1715



92.7694, 77.7530, 89.5729

Sweetspot

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



64.4106, 77.7564, 49.6450



88.1806, 96.8604, 90.4295



62.5302, 61.1055, 46.5301



18.6486, 20.6287, 18.7622



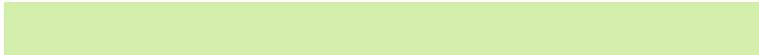
0.0000, 0.0000, 0.0000



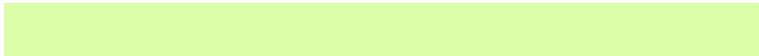
20.3446, 21.4041, 23.3091

Same Dimension

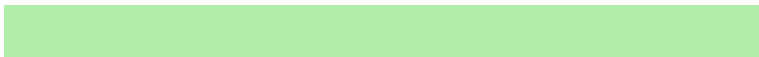
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.4106, 77.7564, 49.6450



72.1583, 89.4643, 50.6577



55.9186, 73.3786, 49.2476



16.4570, 18.1158, 16.7790



23.2407, 37.3026, 5.9752



2.0461, 3.1613, 0.5024

Inverse Universe

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



53.0991, 46.9304, 87.1530



57.0111, 48.1742, 100.9015



62.8298, 51.9467, 87.6084



15.5138, 15.5466, 19.9047



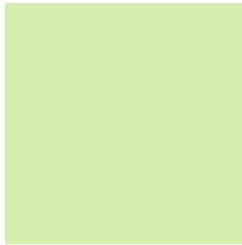
11.5594, 4.9645, 45.4769



1.0720, 0.4699, 3.7884

Previews

White Background



This preview shows how the XYZ color 64.4086, 77.7530, 49.6433 looks on a white background.

Color Contrast Check

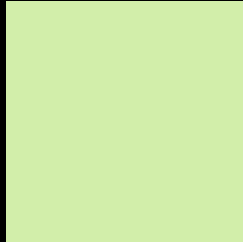
Large Text (above 18pt) WCAG AA × Fail

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 64.4086, 77.7530, 49.6433 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 64.4086, 77.7530, 49.6433

Background



This preview shows how black text looks on a background with the XYZ color 64.4086, 77.7530, 49.6433.



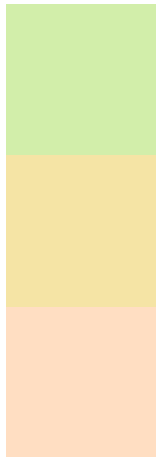
This preview shows how white text looks on a background with the XYZ color 64.4086, 77.7530,

49.6433.

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

64.4086, 77.7530, 49.6433

Protanopia

72.1911, 77.6159, 46.7738

Deuteranopia

77.0989, 77.3976, 61.9146



Tritanopia

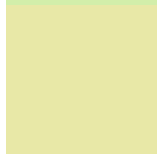
74.1967, 77.5128, 98.2397

Trichromacy



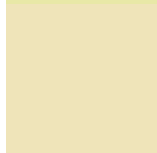
Original Color

64.4086, 77.7530, 49.6433



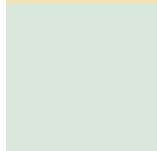
Protanomaly

69.1104, 77.6591, 47.9064



Deuteranomaly

72.0970, 77.3403, 57.0272



Tritanomaly

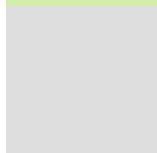
70.1268, 77.5269, 77.5978

Monochromacy



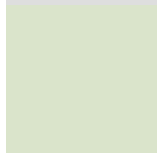
Original Color

64.4086, 77.7530, 49.6433



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

67.4363, 74.7040, 67.3650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4086, 77.7530, 49.6433 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(210, 238, 170)` looks like.

```
.text, #text, p{  
    color:rgb(210, 238, 170)  
}
```

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(210, 238, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 238, 170) }
```

Border

The CSS property to change the border of an element to XYZ 64.4086, 77.7530, 49.6433 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(210, 238, 170) }
```


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

```
.border{ border-color:rgb(210, 238, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 238, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 238, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 238, 170);  
box-shadow:4px 4px 4px 4px rgb(210, 238,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4086, 77.7530, 49.6433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 238, 170) }
```

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

```
.background{ background-color: rgb(210,  
238, 170) }
```

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