

Converting Colors

XYZ(64.5225, 76.3033, 57.4009)

Have a look what the booklet for
XYZ(64.5225, 76.3033, 57.4009)
contains.

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Color

**XYZ(64.4777, 76.3293,
57.2336)**

Conversions

Conversions Part 1

Format	Color
Hex	D0EBB9
RGB	208, 235, 185
RGB Percent	82%, 92%, 73%
CMY	0.1843, 0.0784, 0.2745
CMYK	0.11, 0.00, 0.21, 0.08
HSL	92°, 56%, 82%
HSV	92°, 21%, 92%
XYZ	64.4777, 76.3293, 57.2336
YIQ	221.2270, -0.0420, -21.2740

Conversions

Conversions Part 2

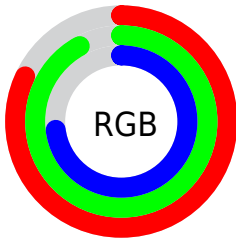
Format	Color
RYB	185, 235, 212
Decimal	13691833
CIELab	90.01, -17.62, 21.37
CIELCh	90, 27.695, 129.498
Yxy	76.3293, 0.3256, 0.3854
Android (android.graphics.Color)	4291881913 (0xFFD0EBB9)
YUV	221.2270, -17.8599, -11.6001
Hunter-Lab	87.3666, -21.1563, 22.3160

Details

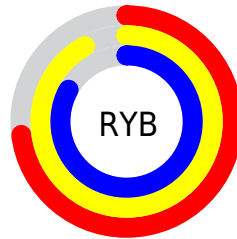
The XYZ color **64.4777, 76.3293, 57.2336** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.4987, 54.6952, 86.0226**, and the grayscale version is **69.0100, 72.6039, 79.0657**.

A 20% lighter version of the original color is **92.8772, 99.1309, 97.4581**, and **33.4218, 40.6784, 27.9200** is the 20% darker color. If you saturate the color by 10%, you get **58.7729, 73.6540, 45.0695**, and if you desaturate by 10%, it is **70.8822, 79.3225, 71.5740**.

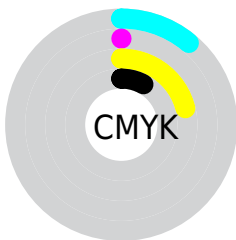
Distribution



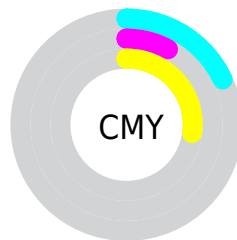
- Red (82%)
- Green (92%)
- Blue (73%)



- Red (73%)
- Yellow (92%)
- Blue (83%)



- Cyan (11%)
- Magenta (0%)
- Yellow (21%)
- Black (8%)



- Cyan (18%)
- Magenta (8%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4777, 76.3293, 57.2336 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 64.4777, 76.3293, 57.2336 by changing the saturation by 10% instead.

■ 64.4777, 76.3293,
57.2336

■ 64.4777, 76.3293,
57.2336

430.4876,
482.4742, 431.8423

■ 47.3008, 56.7026,
40.7822

■ 110.3685,
128.1923, 102.3097

■ 33.4825, 40.7665,
27.8305

139.8131,
161.1973, 131.7714

■ 22.6573, 28.1367,
17.9600

174.0777,
199.4306, 166.4071

■ 14.4600, 18.4287,
10.7521

213.5277,
243.2765, 206.6351

■ 8.5251, 11.2582,
5.7884

258.5283,
293.1194, 252.8741

■ 4.4874, 6.2408,
2.6501

309.4449,

■ 1.9814, 2.9920,

349.3437, 305.5426

0.9182

366.6429,
412.3339, 365.0592

■ 0.6235, 1.1276,
0.0000

■ 0.0000, 0.0013,
0.0000

■ 64.4777, 76.3293,
57.2336

■ 64.4777, 76.3293,
57.2336

■ 58.7729, 73.6540,
45.0695

■ 70.8822, 79.3225,
71.5740

■ 53.7351, 71.2752,
34.9705

■ 78.0055, 82.6344,
88.1849

■ 49.3374, 69.1839,
26.8228

■ 85.7924, 86.2462,
106.7332

■ 45.5487, 67.3668,
20.4999

■ 88.9999, 87.8997,
106.8833

■ 42.3348, 65.8093,
15.8603

■ 39.6570, 64.4952,
12.7414

■ 37.4704, 63.4053,
10.9489

■ 35.9052, 62.6135,
10.1932

Harmonies

Analogous

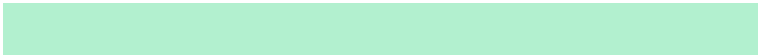
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.3936, 76.3293, 51.1400



64.4777, 76.3293, 57.2336



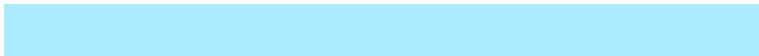
60.8812, 76.3293, 70.5679

Triad

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



64.4777, 76.3293, 57.2336



68.0261, 76.3293, 123.7550



86.3523, 76.3293, 77.0301

Complementary

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



64.4777, 76.3293, 57.2336



59.4987, 54.6952, 86.0226

Split Complementary

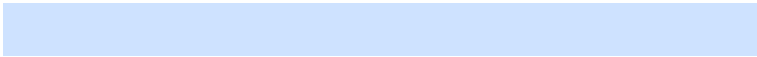
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.6191, 76.3293, 97.0557



64.4777, 76.3293, 57.2336



74.7473, 76.3293, 126.2160

Square

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



64.4777, 76.3293, 57.2336



62.8384, 76.3293, 109.5290



81.2666, 76.3293, 115.8025



83.2111, 76.3293, 61.3219

Rectangle

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



64.4777, 76.3293, 57.2336



60.1413, 76.3293, 82.7792



81.2666, 76.3293, 115.8025



86.5550, 76.3293, 83.4409

Sweetspot

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



64.4797, 76.3326, 57.2353



89.7088, 97.5199, 96.2997



66.4810, 68.0883, 55.5385



19.0811, 20.8173, 20.3317



0.0000, 0.0000, 0.0000



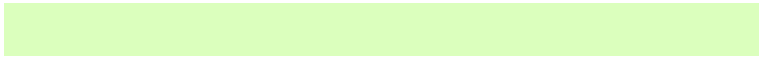
20.3446, 21.4041, 23.3091

Same Dimension

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



64.4797, 76.3326, 57.2353



74.1848, 90.2714, 61.4877



58.6521, 73.3079, 57.8865



15.5267, 17.2015, 16.0206



20.1255, 34.9196, 5.6794



1.6902, 2.7986, 0.4511

Inverse Universe

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



59.4987, 54.6952, 86.0226



67.0805, 59.4144, 102.5403



66.3685, 58.2644, 85.0928



15.0084, 14.9496, 19.0168



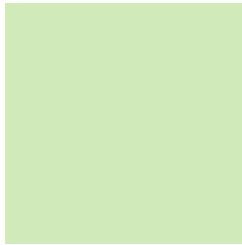
13.3585, 5.9225, 44.1820



1.1598, 0.5222, 3.4745

Previews

White Background



This preview shows how the XYZ color 64.4777, 76.3293, 57.2336 looks on a white background.

Color Contrast Check

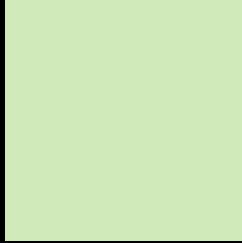
Large Text (above 18pt) WCAG AA × Fail

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 64.4777, 76.3293, 57.2336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

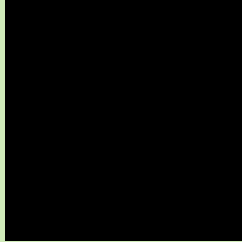
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

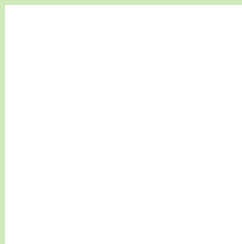
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.4777, 76.3293, 57.2336

Background



This preview shows how black text looks on a background with the XYZ color 64.4777, 76.3293, 57.2336.



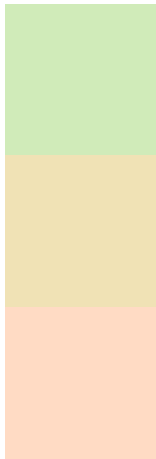
This preview shows how white text looks on a background with the XYZ color 64.4777, 76.3293,

57.2336.

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

64.4777, 76.3293, 57.2336

Protanopia

71.4720, 76.2542, 54.6676

Deuteranopia

76.5353, 75.9086, 62.8425



Tritanopia

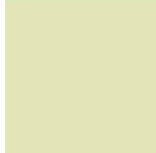
72.5658, 76.2825, 97.2856

Trichromacy



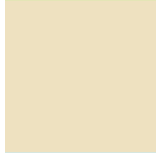
Original Color

64.4777, 76.3293, 57.2336



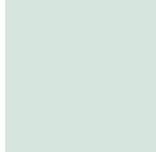
Protanomaly

68.4577, 75.9100, 55.3000



Deuteranomaly

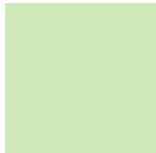
71.6995, 75.8333, 60.7275



Tritanomaly

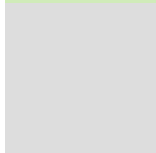
69.3477, 76.2175, 80.8685

Monochromacy



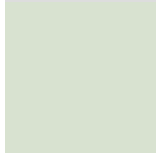
Original Color

64.4777, 76.3293, 57.2336



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.9004, 73.5457, 70.3442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4777, 76.3293, 57.2336 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(208, 235, 185)` looks like.

```
.text, #text, p{  
    color:rgb(208, 235, 185)  
}
```

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(208, 235, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 235, 185) }
```

Border

The CSS property to change the border of an element to XYZ 64.4777, 76.3293, 57.2336 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(208, 235, 185) }
```


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

```
.border{ border-color:rgb(208, 235, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 235, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 235, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 235, 185);  
box-shadow:4px 4px 4px 4px rgb(208, 235,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4777, 76.3293, 57.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 235, 185) }
```

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

```
.background{ background-color: rgb(208,  
235, 185) }
```

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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