

Converting Colors

XYZ(67.5416, 77.7958, 66.9483)

Have a look what the booklet for
XYZ(67.5416, 77.7958, 66.9483)
contains.

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Color

**XYZ(67.4023, 77.6308,
66.6901)**

Conversions

Conversions Part 1

Format	Color
Hex	D4EBC9
RGB	212, 235, 201
RGB Percent	83%, 92%, 79%
CMY	0.1686, 0.0784, 0.2118
CMYK	0.10, 0.00, 0.14, 0.08
HSL	101°, 46%, 85%
HSV	101°, 14%, 92%
XYZ	67.4023, 77.6308, 66.6901
YIQ	224.2470, -2.7940, -15.4500

Conversions

Conversions Part 2

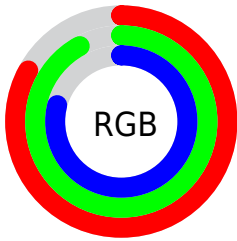
Format	Color
R _Y B	201, 235, 224
Decimal	13953993
CIE Lab	90.61, -13.65, 13.96
CIE LCh	91, 19.529, 134.358
Yxy	77.6308, 0.3184, 0.3667
Android (android.graphics.Color)	4292144073 (0xFFD4EBC9)
YUV	224.2470, -11.4608, -10.7406
Hunter-Lab	88.1083, -17.6383, 16.7986

Details

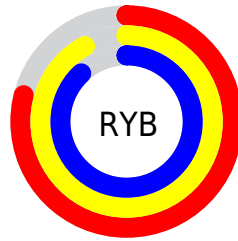
The XYZ color **67.4023, 77.6308, 66.6901** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **66.6257, 63.6210, 87.3700**, and the grayscale version is **71.1108, 74.8141, 81.4726**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.2912, 41.5149, 33.7569** is the 20% darker color. If you saturate the color by 10%, you get **60.4873, 74.3636, 53.0230**, and if you desaturate by 10%, it is **75.1959, 81.3065, 82.6093**.

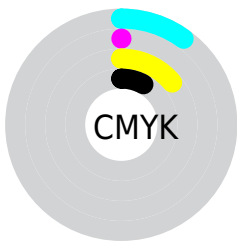
Distribution



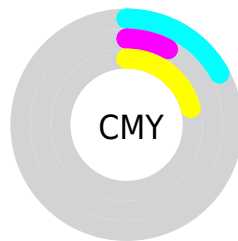
- Red (83%)
- Green (92%)
- Blue (79%)



- Red (79%)
- Yellow (92%)
- Blue (88%)



- Cyan (10%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)



- Cyan (17%)
- Magenta (8%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4023, 77.6308, 66.6901 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 67.4023, 77.6308, 66.6901 by changing the saturation by 10% instead.

67.4023, 77.6308,
66.6901

67.4023, 77.6308,
66.6901

440.7854,
486.9121, 467.3123

49.6835, 57.7707,
48.3728

114.5433,
130.0295, 116.1127

35.3788, 41.6244,
33.7601

144.6962,
163.3370, 148.0550

24.1227, 28.8073,
22.4335

179.7246,
201.8957, 185.3762

15.5499, 18.9351,
13.9744

219.9938,
246.0901, 228.4946

9.2950, 11.6234,
7.9643

265.8691,
296.3045, 277.8289

4.9928, 6.4878,
3.9847

317.7159,

2.2777, 3.1439,

352.9234, 333.7976

1.6169

375.8995,
416.3311, 396.8192

■ 0.7832, 1.2073,
0.3029

■ 0.0000, 0.0677,
0.0000

■ 67.4023, 77.6308,
66.6901

■ 67.4023, 77.6308,
66.6901

■ 60.4873, 74.3636,
53.0230

■ 75.1959, 81.3065,
82.6093

■ 54.4124, 71.4806,
41.5015

■ 83.8921, 85.3944,
100.8705

■ 49.1456, 68.9699,
32.0178

■ 88.9999, 87.8998,
106.8833

■ 44.6499, 66.8151,
24.4531

■ 40.8857, 64.9986,
18.6761

■ 37.8090, 63.5008,
14.5389

■ 35.3703, 62.3002,
11.8702

■ 33.5116, 61.3713,
10.4603

■ 32.6917, 60.9570,
10.0429

Harmonies

Analogous

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



71.4775, 77.6308, 61.0209



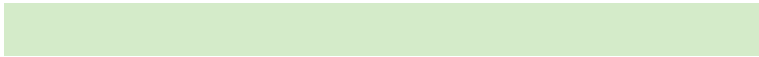
67.4023, 77.6308, 66.6901



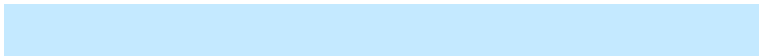
65.0926, 77.6308, 77.4686

Triad

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



67.4023, 77.6308, 66.6901



71.2782, 77.6308, 113.2153



83.2795, 77.6308, 78.0204

Complementary

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



67.4023, 77.6308, 66.6901



66.6257, 63.6210, 87.3700

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.



83.2203, 77.6308, 92.0011



67.4023, 77.6308, 66.6901



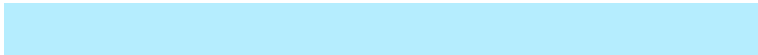
76.1432, 77.6308, 113.4053

Square

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



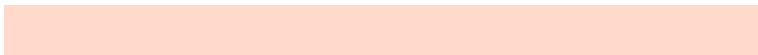
67.4023, 77.6308, 66.6901



67.2620, 77.6308, 104.7963



80.5600, 77.6308, 105.2899



80.7182, 77.6308, 67.0554

Rectangle

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



67.4023, 77.6308, 66.6901



64.7976, 77.6308, 86.5905



80.5600, 77.6308, 105.2899



83.5688, 77.6308, 82.4961

Sweetspot

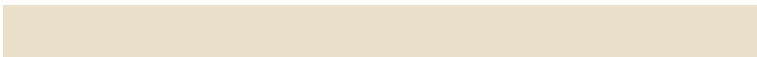
The Sweet Spot groups the original color and five complimentary colors.



67.4044, 77.6341, 66.6918



90.9575, 98.0750, 100.3626



71.3729, 75.0149, 65.9771



19.3081, 20.9165, 21.1490



0.0000, 0.0000, 0.0000



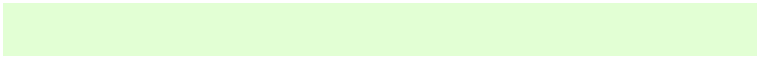
20.3446, 21.4041, 23.3091

Same Dimension

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



67.4044, 77.6341, 66.6918



78.8609, 92.3716, 75.7292



65.0199, 76.3264, 70.1252



15.3271, 17.0986, 16.0113



18.3119, 33.9846, 5.5946



1.5353, 2.7188, 0.4439

Inverse Universe

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



66.6257, 63.6210, 87.3700



77.7741, 72.8290, 104.5660



69.3400, 65.1133, 83.2901



15.2137, 15.0554, 19.0264



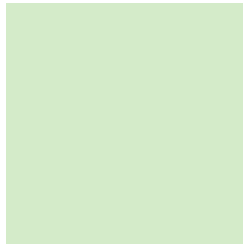
16.4407, 7.5114, 44.3263



1.3909, 0.6413, 3.4854

Previews

White Background



This preview shows how the XYZ color 67.4023, 77.6308, 66.6901 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 67.4023, 77.6308, 66.6901 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

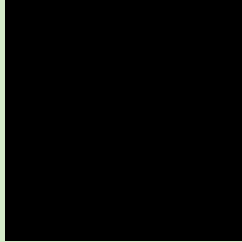
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

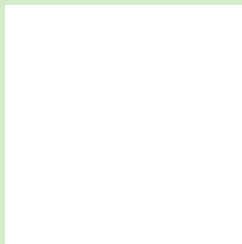
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.4023, 77.6308, 66.6901

Background



This preview shows how black text looks on a background with the XYZ color 67.4023, 77.6308, 66.6901.

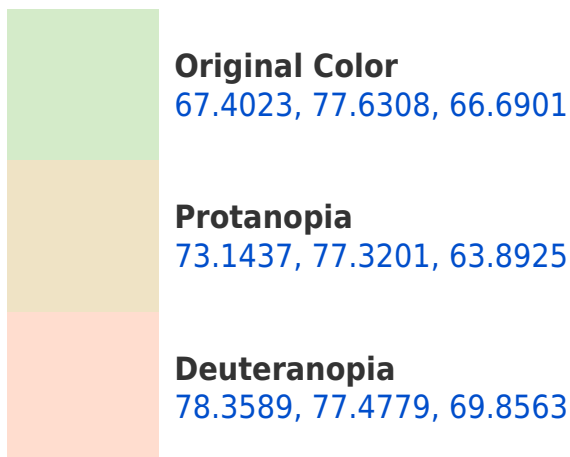


This preview shows how white text looks on a background with the XYZ color 67.4023, 77.6308, 66.6901.

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

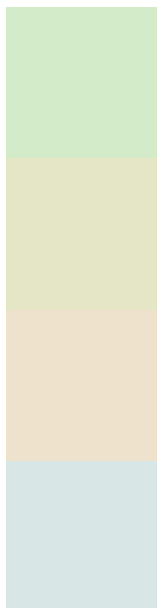




Tritanopia

74.0212, 77.8141, 99.1140

Trichromacy



Original Color

67.4023, 77.6308, 66.6901

Protanomaly

70.8030, 77.3289, 64.6203

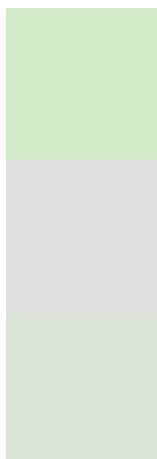
Deuteranomaly

73.8124, 77.1512, 68.7589

Tritanomaly

71.1777, 77.4639, 86.0635

Monochromacy



Original Color

67.4023, 77.6308, 66.6901

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.6533, 75.6603, 75.8985

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4023, 77.6308, 66.6901 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(212, 235, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 235, 201) }
```

Border

The CSS property to change the border of an element to XYZ 67.4023, 77.6308, 66.6901 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, 201) }
```


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

```
.border{ border-color:rgb(212, 235, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 235, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 235, 201);  
box-shadow:4px 4px 4px 4px rgb(212, 235,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4023, 77.6308, 66.6901 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, 201) }
```

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

```
.background{ background-color: rgb(212,  
235, 201) }
```

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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