

Converting Colors

XYZ(67.8850, 76.3662, 58.8400)

Have a look what the booklet for
XYZ(67.8850, 76.3662, 58.8400)
contains.

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Color

**XYZ(67.7772, 76.3123,
58.7345)**

Conversions

Conversions Part 1

Format	Color
Hex	DEE7BC
RGB	222, 231, 188
RGB Percent	87%, 91%, 74%
CMY	0.1294, 0.0941, 0.2627
CMYK	0.04, 0.00, 0.19, 0.09
HSL	73°, 47%, 82%
HSV	73°, 19%, 91%
XYZ	67.7772, 76.3123, 58.7345
YIQ	223.4070, 8.4390, -15.2810

Conversions

Conversions Part 2

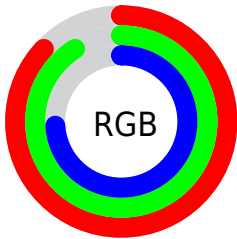
Format	Color
R _{YB}	188, 231, 197
Decimal	14608316
CIE _{Lab}	90.00, -10.21, 19.96
CIE _{LCh}	90, 22.419, 117.097
Y _{xy}	76.3123, 0.3342, 0.3762
Android (android.graphics.Color)	4292798396 (0xFFDEE7BC)
YUV	223.4070, -17.4557, -1.2339
Hunter-Lab	87.3569, -14.3826, 21.2862

Details

The XYZ color **67.7772, 76.3123, 58.7345** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **55.4361, 53.6084, 83.0312**, and the grayscale version is **70.5466, 74.2205, 80.8261**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **35.6395, 40.6247, 28.8846** is the 20% darker color. If you saturate the color by 10%, you get **64.0239, 74.6448, 46.5838**, and if you desaturate by 10%, it is **71.9757, 78.1679, 72.9899**.

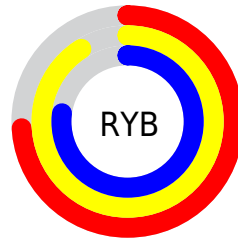
Distribution



Red (87%)

Green (91%)

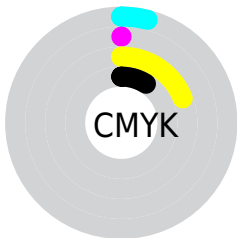
Blue (74%)



Red (74%)

Yellow (91%)

Blue (77%)

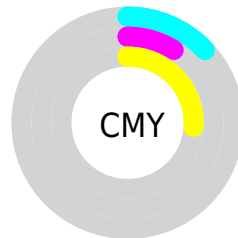


Cyan (4%)

Magenta (0%)

Yellow (19%)

Black (9%)



Cyan (13%)

Magenta (9%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.7772, 76.3123, 58.7345 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 67.7772, 76.3123, 58.7345 by changing the saturation by 10% instead.

67.7772, 76.3123,
58.7345

67.7772, 76.3123,
58.7345

442.0953,
482.4161, 437.5918

49.9895, 56.6886,
41.9808

115.0770,
128.1683, 104.5170

35.6228, 40.7553,
28.7608

145.3199,
161.1693, 134.3829

24.3118, 28.1279,
18.6559

180.4451,
199.3984, 169.4567

15.6911, 18.4221,
11.2476

220.8182,
243.2397, 210.1568

9.3953, 11.2535,
6.1174

266.8044,
293.0777, 256.9018

5.0590, 6.2376,
2.8467


318.7691,


2.3171, 2.9901,


349.2969, 310.1103

1.0169


377.0776,
412.2815, 370.2008


 0.8034, 1.1266,
0.0000


 0.0000, 0.0005,
0.0000


 67.7772, 76.3123,
58.7345


 67.7772, 76.3123,
58.7345


 64.0239, 74.6448,
46.5838


 71.9757, 78.1679,
72.9899


 60.6905, 73.1476,
36.4330

 76.6314, 80.2088,
89.4379

 57.7582, 71.8156,
28.1762

 81.3901, 82.2958,
106.2027

 55.2042, 70.6398,
21.6952

 83.0227, 83.1375,
106.2791

■ 53.0032, 69.6099,
16.8591

■ 84.6993, 84.0018,
106.3576

■ 51.1267, 68.7145,
13.5186

■ 86.4201, 84.8889,
106.4381

■ 49.5406, 67.9400,
11.4975

■ 87.8675, 85.6350,
106.5058

■ 48.1953, 67.2664,
10.5354

■ 48.0186, 67.1773,
10.4357

Harmonies

Analogous

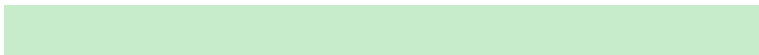
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.0746, 76.3123, 56.1415



67.7772, 76.3123, 58.7345



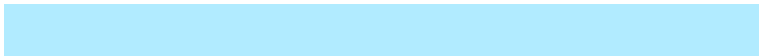
63.9327, 76.3123, 67.5632

Triad

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



67.7772, 76.3123, 58.7345



66.8860, 76.3123, 111.4983



83.7266, 76.3123, 84.6493

Complementary

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



67.7772, 76.3123, 58.7345



55.4361, 53.6084, 83.0312

Split Complementary

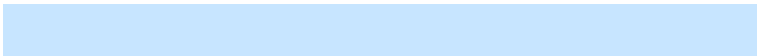
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.8710, 76.3123, 100.8326



67.7772, 76.3123, 58.7345



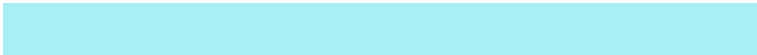
71.9932, 76.3123, 117.5231

Square

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



67.7772, 76.3123, 58.7345



63.4369, 76.3123, 97.8118



77.5053, 76.3123, 113.3929



82.4586, 76.3123, 69.9269

Rectangle

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



67.7772, 76.3123, 58.7345



62.6152, 76.3123, 76.4485



77.5053, 76.3123, 113.3929



83.4453, 76.3123, 90.1077

Sweetspot

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



67.7792, 76.3157, 58.7361



91.5147, 98.4509, 96.3842



61.9103, 60.3731, 55.9682



19.5083, 21.0376, 20.3517



0.0000, 0.0000, 0.0000



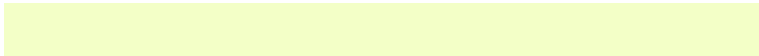
20.3446, 21.4041, 23.3091

Same Dimension

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



67.7792, 76.3157, 58.7361



83.1065, 94.7385, 67.8782



61.7162, 73.1901, 58.4524



15.2906, 16.6569, 15.3137



27.0252, 37.7135, 5.8551



2.0714, 2.8252, 0.4361

Inverse Universe

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



55.4361, 53.6084, 83.0312



65.2135, 61.8177, 103.1026



61.3530, 56.6587, 83.3081



13.8634, 14.0318, 18.1221



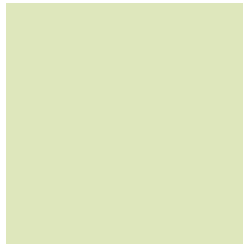
8.8628, 3.6348, 42.6176



0.7313, 0.3080, 3.1529

Previews

White Background



This preview shows how the XYZ color 67.7772, 76.3123, 58.7345 looks on a white background.

Color Contrast Check

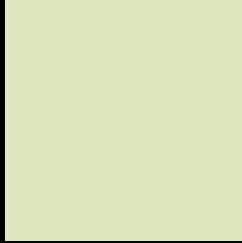
Large Text (above 18pt) WCAG AA × Fail

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 67.7772, 76.3123, 58.7345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

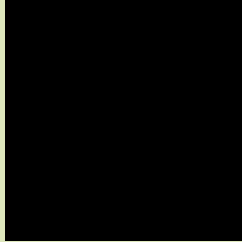
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

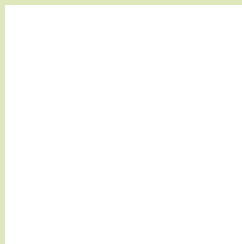
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.7772, 76.3123, 58.7345

Background



This preview shows how black text looks on a background with the XYZ color 67.7772, 76.3123, 58.7345.



This preview shows how white text looks on a background with the XYZ color 67.7772, 76.3123,

58.7345.

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

67.7772, 76.3123, 58.7345

Protanopia

71.5499, 76.2462, 56.8448

Deuteranopia

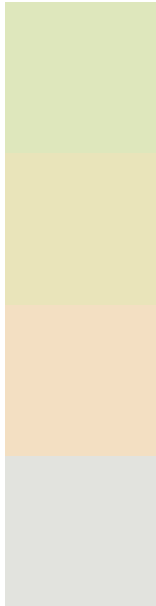
76.6496, 75.9543, 63.4441



Tritanopia

74.8459, 76.3202, 94.0056

Trichromacy



Original Color

67.7772, 76.3123, 58.7345

Protanomaly

70.2106, 76.3556, 57.4920

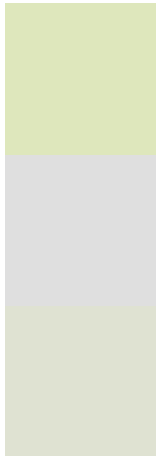
Deuteranomaly

73.0874, 75.7251, 61.8032

Tritanomaly

72.0179, 76.3808, 80.0545

Monochromacy



Original Color

67.7772, 76.3123, 58.7345

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.2606, 74.7338, 71.7474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.7772, 76.3123, 58.7345 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(222, 231, 188)` looks like.

```
.text, #text, p{  
    color:rgb(222, 231, 188)  
}
```

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(222, 231, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 231, 188) }
```

Border

The CSS property to change the border of an element to XYZ 67.7772, 76.3123, 58.7345 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(222, 231, 188) }
```


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

```
.border{ border-color:rgb(222, 231, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 231, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 231, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 231, 188);  
box-shadow:4px 4px 4px 4px rgb(222, 231,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 67.7772, 76.3123, 58.7345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 231, 188) }
```

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

```
.background{ background-color: rgb(222,  
231, 188) }
```

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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