

Converting Colors

XYZ(69.4318, 77.7767, 70.1055)

Have a look what the booklet for
XYZ(69.4318, 77.7767, 70.1055)
contains.

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Color

**XYZ(69.6148, 77.8429,
70.3876)**

Conversions

Conversions Part 1

Format	Color
Hex	DBE9CF
RGB	219, 233, 207
RGB Percent	86%, 91%, 81%
CMY	0.1412, 0.0863, 0.1882
CMYK	0.06, 0.00, 0.11, 0.09
HSL	92°, 37%, 86%
HSV	92°, 11%, 91%
XYZ	69.6148, 77.8429, 70.3876
YIQ	225.8500, 0.0020, -11.0540

Conversions

Conversions Part 2

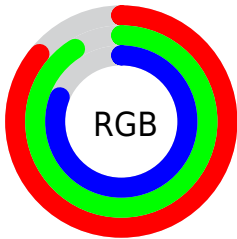
Format	Color
R_{YB}	207, 233, 221
Decimal	14412239
CIE Lab	90.71, -9.25, 11.05
CIE LCh	91, 14.406, 129.925
Yxy	77.8429, 0.3196, 0.3573
Android (android.graphics.Color)	4292602319 (0xFFDBE9CF)
YUV	225.8500, -9.2930, -6.0074
Hunter-Lab	88.2286, -13.5587, 14.4593

Details

The XYZ color **69.6148, 77.8429, 70.3876** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.8427, 65.8832, 86.2887**, and the grayscale version is **72.2472, 76.0097, 82.7746**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.7818, 41.6367, 36.2351** is the 20% darker color. If you saturate the color by 10%, you get **63.3403, 74.9158, 56.3052**, and if you desaturate by 10%, it is **76.5986, 81.0917, 86.7008**.

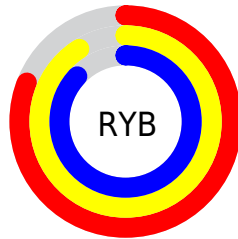
Distribution



Red (86%)

Green (91%)

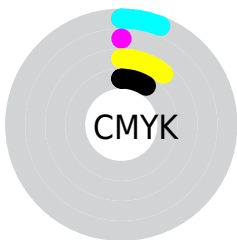
Blue (81%)



Red (81%)

Yellow (91%)

Blue (87%)

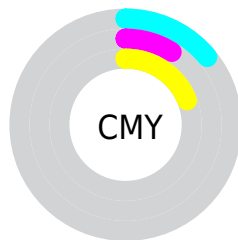


Cyan (6%)

Magenta (0%)

Yellow (11%)

Black (9%)



Cyan (14%)

Magenta (9%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6148, 77.8429, 70.3876 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 69.6148, 77.8429, 70.3876 by changing the saturation by 10% instead.

69.6148, 77.8429,
70.3876

69.6148, 77.8429,
70.3876

448.4839,
487.6331, 480.7356

51.4910, 57.9449,
51.3638

117.6885,
130.3286, 121.4476

36.8222, 41.7644,
36.1195

148.3692,
163.6852, 154.3210

25.2429, 28.9168,
24.2361

183.9662,
202.2967, 192.6479

16.3878, 19.0179,
15.2950

224.8449,
246.5477, 236.8470

9.8916, 11.6832,
8.8778

271.3707,
296.8224, 287.3368

5.3888, 6.5284,
4.5658

323.9089,

2.5142, 3.1689,

353.5053, 344.5358

1.9406

382.8248,
416.9807, 408.8625

■ 0.9024, 1.2206,
0.5184

■ 0.0000, 0.0784,
0.0000

■ 69.6148, 77.8429,
70.3876

■ 69.6148, 77.8429,
70.3876

■ 63.3403, 74.9158,
56.3052

■ 76.5986, 81.0917,
86.7008

■ 57.7442, 72.2897,
44.3517

■ 84.3087, 84.6620,
105.3308

■ 52.8025, 69.9567,
34.4246

■ 88.4305, 86.7609,
106.6935

■ 48.4870, 67.9049,
26.4113

■ 44.7675, 66.1213,
20.1878

■ 41.6104, 64.5917,
15.6158

■ 38.9781, 63.3001,
12.5366

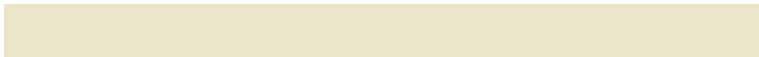
■ 36.8267, 62.2281,
10.7603

■ 35.2665, 61.4390,
10.0002

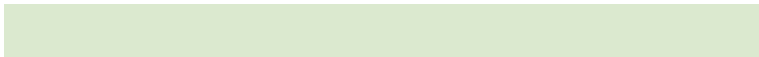
Harmonies

Analogous

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



72.7956, 77.8429, 66.6196



69.6148, 77.8429, 70.3876



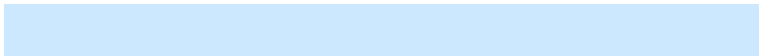
67.6480, 77.8429, 78.1056

Triad

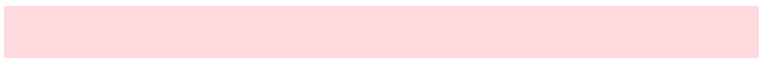
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.6148, 77.8429, 70.3876



71.6266, 77.8429, 104.8668



81.0487, 77.8429, 81.3722

Complementary

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



69.6148, 77.8429, 70.3876



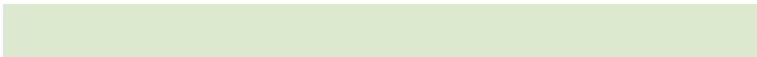
66.8427, 65.8832, 86.2887

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.



80.7109, 77.8429, 91.7771



69.6148, 77.8429, 70.3876



75.1920, 77.8429, 105.9211

Square

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



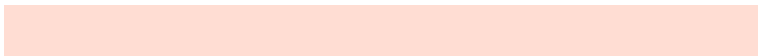
69.6148, 77.8429, 70.3876



68.7830, 77.8429, 98.1883



78.5392, 77.8429, 100.9615



79.4478, 77.8429, 72.6113

Rectangle

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



69.6148, 77.8429, 70.3876



67.2509, 77.8429, 84.7316



78.5392, 77.8429, 100.9615



81.1593, 77.8429, 84.7838

Sweetspot

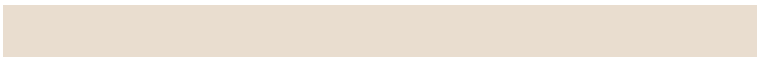
The Sweet Spot groups the original color and five complimentary colors.



69.6169, 77.8463, 70.3893



92.3430, 98.7440, 102.4716



70.6910, 73.4742, 69.4888



19.6133, 21.0647, 21.5747



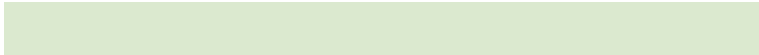
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



69.6169, 77.8463, 70.3893



83.8988, 94.8157, 82.8812



66.2421, 76.0942, 70.7861



15.5289, 17.2027, 16.0207



20.1495, 34.9319, 5.6806



1.6921, 2.7996, 0.4512

Inverse Universe

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



66.8427, 65.8832, 86.2887



79.9659, 77.8563, 105.4208



70.5045, 67.7852, 85.8151



15.0061, 14.9484, 19.0167



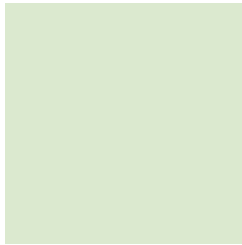
13.3294, 5.9075, 44.1807



1.1575, 0.5210, 3.4744

Previews

White Background



This preview shows how the XYZ color 69.6148, 77.8429, 70.3876 looks on a white background.

Color Contrast Check

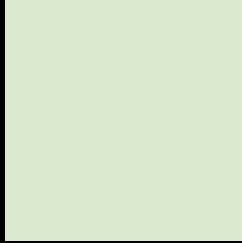
Large Text (above 18pt) WCAG AA × Fail

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 69.6148, 77.8429, 70.3876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

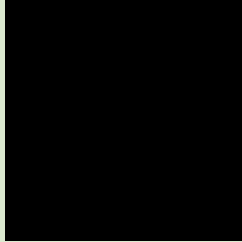
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

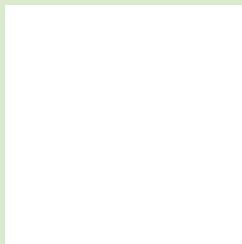
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6148, 77.8429, 70.3876

Background



This preview shows how black text looks on a background with the XYZ color 69.6148, 77.8429, 70.3876.

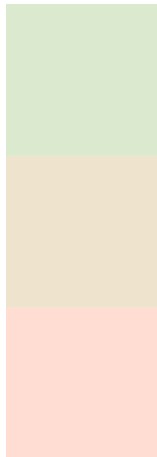


This preview shows how white text looks on a background with the XYZ color 69.6148, 77.8429,

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

69.6148, 77.8429, 70.3876

Protanopia

73.6281, 77.4749, 68.2003

Deuteranopia

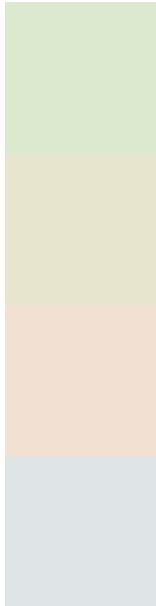
78.8543, 77.6761, 72.4649



Tritanopia

75.0019, 77.5383, 97.3996

Trichromacy



Original Color

69.6148, 77.8429, 70.3876

Protanomaly

71.9938, 77.4353, 68.9096

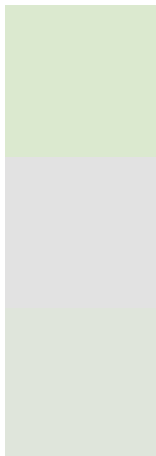
Deuteranomaly

75.1760, 77.3808, 71.9466

Tritanomaly

72.8745, 77.4961, 86.7187

Monochromacy



Original Color

69.6148, 77.8429, 70.3876

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.2369, 76.8411, 78.0951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6148, 77.8429, 70.3876 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(219, 233, 207) looks like.

```
.text, #text, p{  
    color:rgb(219, 233, 207)  
}
```

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(219, 233, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 233, 207) }
```

Border

The CSS property to change the border of an element to XYZ 69.6148, 77.8429, 70.3876 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(219, 233, 207) }
```


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

```
.border{ border-color:rgb(219, 233, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 233, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 233, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 233, 207);  
box-shadow:4px 4px 4px 4px rgb(219, 233,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6148, 77.8429, 70.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 233, 207) }
```

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

```
.background{ background-color: rgb(219,  
233, 207) }
```

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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