

Converting Colors

XYZ(68.5908, 76.7761, 66.1736)

Have a look what the booklet for
XYZ(68.5908, 76.7761, 66.1736)
contains.

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Color

**XYZ(68.9144, 77.1459,
66.5168)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE8C9
RGB	220, 232, 201
RGB Percent	86%, 91%, 79%
CMY	0.1373, 0.0902, 0.2118
CMYK	0.05, 0.00, 0.13, 0.09
HSL	83°, 40%, 85%
HSV	83°, 13%, 91%
XYZ	68.9144, 77.1459, 66.5168
YIQ	224.8780, 2.7990, -12.1850

Conversions

Conversions Part 2

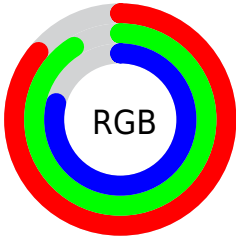
Format	Color
R_{YB}	201, 232, 213
Decimal	14477513
CIE _{Lab}	90.39, -9.39, 13.73
CIE _{LCh}	90, 16.628, 124.361
Yxy	77.1459, 0.3242, 0.3629
Android (android.graphics.Color)	4292667593 (0xFFDCE8C9)
YUV	224.8780, -11.7719, -4.2780
Hunter-Lab	87.8327, -13.6545, 16.5819

Details

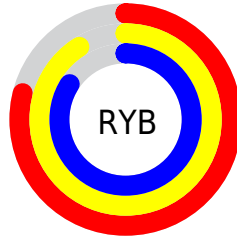
The XYZ color **68.9144, 77.1459, 66.5168** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.8958, 61.7477, 84.9516**, and the grayscale version is **71.5627, 75.2895, 81.9903**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.3088, 41.1566, 33.6341** is the 20% darker color. If you saturate the color by 10%, you get **63.7432, 74.7742, 53.0882**, and if you desaturate by 10%, it is **74.6482, 79.7645, 82.1267**.

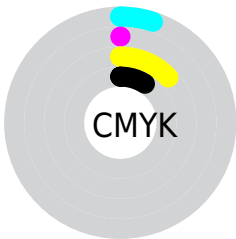
Distribution



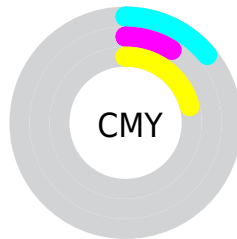
- Red (86%)
- Green (91%)
- Blue (79%)



- Red (79%)
- Yellow (91%)
- Blue (84%)



- Cyan (5%)
- Magenta (0%)
- Yellow (13%)
- Black (9%)



- Cyan (14%)
- Magenta (9%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.9144, 77.1459, 66.5168 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 68.9144, 77.1459, 66.5168 by changing the saturation by 10% instead.

■ 68.9144, 77.1459,
66.5168

■ 68.9144, 77.1459,
66.5168

446.0551,
485.2613, 466.6774

■ 50.9184, 57.3726,
48.2329

116.6940,
129.3454, 115.8618

■ 36.3644, 41.3045,
33.6501

147.2084,
162.5404, 147.7601

■ 24.8872, 28.5571,
22.3497

182.6262,
200.9782, 185.0335

■ 16.1213, 18.7460,
13.9133

223.3129,
245.0430, 228.1006

■ 9.7014, 11.4869,
7.9223

269.6338,
295.1194, 277.3801

■ 5.2622, 6.3953,
3.9582


321.9542,


■ 2.4382, 3.0869,

351.5916, 333.2903


1.6025


380.6395,
414.8441, 396.2499


 0.8642, 1.1773,
0.2926


 0.0000, 0.0430,
0.0000


 68.9144, 77.1459,
66.5168


 68.9144, 77.1459,
66.5168

 63.7432, 74.7742,
53.0882


 74.6482, 79.7645,
82.1267


 59.1075, 72.6309,
41.7387

 80.9579, 82.6281,
100.0039

 54.9875, 70.7101,
32.3655

 85.2485, 84.7015,
106.4637

 51.3591, 69.0021,
24.8549

 88.1482, 86.1963,
106.5994

■ 48.1961, 67.4960,
19.0820

■ 45.4694, 66.1799,
14.9060

■ 43.1455, 65.0402,
12.1647

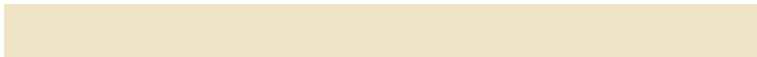
■ 41.1845, 64.0605,
10.6612

■ 40.0433, 63.4825,
10.1428

Harmonies

Analogous

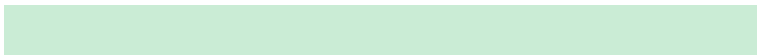
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7200, 77.1459, 63.2175



68.9144, 77.1459, 66.5168



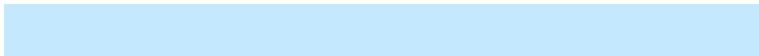
66.3662, 77.1459, 74.4966

Triad

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



68.9144, 77.1459, 66.5168



69.9272, 77.1459, 106.3227



81.5694, 77.1459, 82.2738

Complementary

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



68.9144, 77.1459, 66.5168



62.8958, 61.7477, 84.9516

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.



80.7537, 77.1459, 94.2764



68.9144, 77.1459, 66.5168



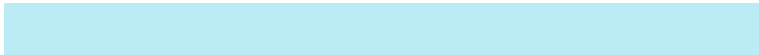
73.9330, 77.1459, 108.8979

Square

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



68.9144, 77.1459, 66.5168



66.9353, 77.1459, 97.5630



77.9196, 77.1459, 104.3032



80.1086, 77.1459, 71.7539

Rectangle

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



68.9144, 77.1459, 66.5168



65.6699, 77.1459, 81.7739



77.9196, 77.1459, 104.3032



81.5527, 77.1459, 86.2637

Sweetspot

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



68.9165, 77.1493, 66.5185



92.0128, 98.6190, 100.4120



67.5891, 68.9053, 64.9972



19.5750, 21.0541, 21.1615



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.



68.9165, 77.1493, 66.5185



83.5881, 94.7712, 77.6394



64.4728, 74.8585, 66.3105



15.0329, 16.5240, 15.3016



22.3742, 35.3158, 5.6374



1.7565, 2.6629, 0.4214

Inverse Universe

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



62.8958, 61.7477, 84.9516



74.7796, 72.2370, 104.6096



67.5716, 64.1582, 85.1704



14.1079, 14.1578, 18.1335



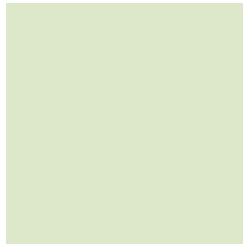
10.5486, 4.5039, 42.6965



0.8809, 0.3851, 3.1599

Previews

White Background



This preview shows how the XYZ color 68.9144, 77.1459, 66.5168 looks on a white background.

Color Contrast Check

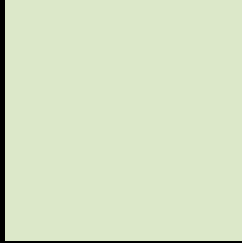
Large Text (above 18pt) WCAG AA × Fail

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 68.9144, 77.1459, 66.5168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

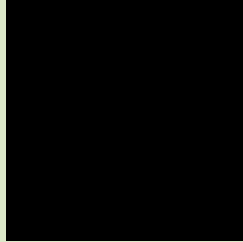
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

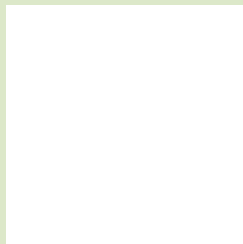
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.9144, 77.1459, 66.5168

Background



This preview shows how black text looks on a background with the XYZ color 68.9144, 77.1459, 66.5168.

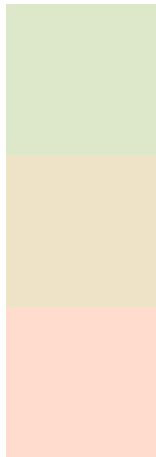


This preview shows how white text looks on a background with the XYZ color 68.9144, 77.1459, 66.5168.

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

68.9144, 77.1459, 66.5168

Protanopia

72.9220, 77.1925, 64.4823

Deuteranopia

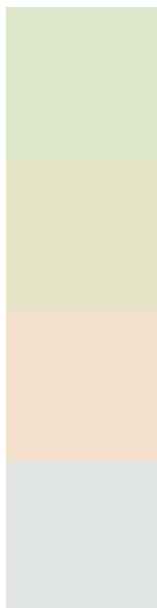
77.9738, 76.9026, 69.1266



Tritanopia

74.8895, 77.0931, 96.5213

Trichromacy



Original Color

68.9144, 77.1459, 66.5168

Protanomaly

71.2831, 77.1511, 65.1675

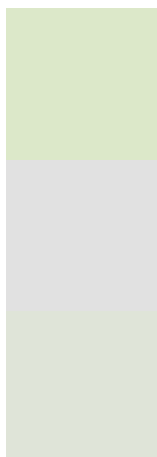
Deuteranomaly

74.1727, 76.5482, 67.9927

Tritanomaly

72.4875, 76.9355, 84.4283

Monochromacy



Original Color

68.9144, 77.1459, 66.5168

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.5695, 76.1326, 75.9414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.9144, 77.1459, 66.5168 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(220, 232, 201)` looks like.

```
.text, #text, p{  
    color:rgb(220, 232, 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(220, 232, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 232, 201) }
```

Border

The CSS property to change the border of an element to XYZ 68.9144, 77.1459, 66.5168 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(220, 232, 201) }
```


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

```
.border{ border-color:rgb(220, 232, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 232, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 232, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 232, 201);  
box-shadow:4px 4px 4px 4px rgb(220, 232,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 68.9144, 77.1459, 66.5168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 232, 201) }
```

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

```
.background{ background-color: rgb(220,  
232, 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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