

Converting Colors

XYZ(67.8433, 76.9584, 45.6635)

Have a look what the booklet for
XYZ(67.8433, 76.9584, 45.6635)
contains.

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Color

**XYZ(68.0113, 77.1449,
45.4883)**

Conversions

Conversions Part 1

Format	Color
Hex	E6E8A2
RGB	230, 232, 162
RGB Percent	90%, 91%, 64%
CMY	0.0980, 0.0902, 0.3647
CMYK	0.01, 0.00, 0.30, 0.09
HSL	62°, 60%, 77%
HSV	62°, 30%, 91%
XYZ	68.0113, 77.1449, 45.4883
YIQ	223.4220, 21.2780, -22.1940

Conversions

Conversions Part 2

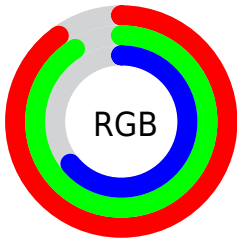
Format	Color
RYB	162, 232, 164
Decimal	15132834
CIELab	90.39, -11.35, 33.92
CIELCh	90, 35.766, 108.509
Yxy	77.1449, 0.3567, 0.4047
Android (android.graphics.Color)	4293322914 (0xFFE6E8A2)
YUV	223.4220, -30.2810, 5.7689
Hunter-Lab	87.8322, -15.4880, 30.7762

Details

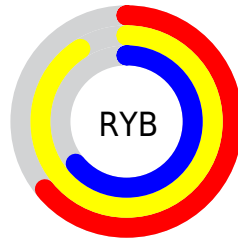
The XYZ color **68.0113, 77.1449, 45.4883** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.7987, 39.5614, 81.7288**, and the grayscale version is **70.6393, 74.3180, 80.9323**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **35.7954, 41.1751, 20.8128** is the 20% darker color. If you saturate the color by 10%, you get **65.9242, 76.2881, 35.6007**, and if you desaturate by 10%, it is **70.4836, 78.1612, 57.3831**.

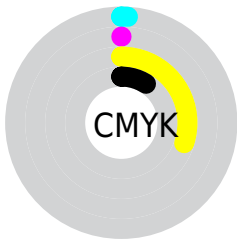
Distribution



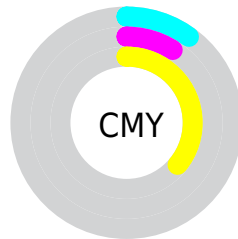
- Red (90%)
- Green (91%)
- Blue (64%)



- Red (64%)
- Yellow (91%)
- Blue (64%)



- Cyan (1%)
- Magenta (0%)
- Yellow (30%)
- Black (9%)





- Cyan (10%)
- Magenta (9%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0113, 77.1449, 45.4883 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 68.0113, 77.1449, 45.4883 by changing the saturation by 10% instead.


 68.0113, 77.1449,
45.4883


 68.0113, 77.1449,
45.4883

442.9121,
485.2579, 384.9652

 50.1806, 57.3718,
31.4965


 115.4101,
129.3440, 84.7789

 35.7753, 41.3038,
20.7156


 145.7090,
162.5388, 110.9147

 24.4300, 28.5566,
12.7270


180.8947,
200.9763, 141.9356

 15.7794, 18.7456,
7.1123

221.3325,
245.0409, 178.2601

 9.4580, 11.4866,
3.4529

267.3878,
295.1169, 220.3068

 5.1006, 6.3951,
1.3303

319.4259,

 2.3418, 3.0868,

351.5889, 268.4942

0.0864

377.8122,
414.8411, 323.2408

■ 0.8159, 1.1772,
0.0000

■ 0.0000, 0.0430,
0.0000

■ 68.0113, 77.1449,
45.4883

■ 68.0113, 77.1449,
45.4883

■ 65.9242, 76.2881,
35.6007

■ 70.4836, 78.1612,
57.3831

■ 64.1955, 75.5722,
27.6050


■ 73.3547, 79.3345,
71.3820


■ 62.8043, 74.9913,
21.3819


■ 76.6446, 80.6753,
87.5817


■ 61.7248, 74.5352,
16.7963


■ 80.3701, 82.1905,
106.0714


 60.9278, 74.1921,
13.6940

 80.6186, 82.3149,
106.2471

 60.3784, 73.9482,
11.8912

 80.8364, 82.4272,
106.2573

 60.0213, 73.7817,
11.0778

 81.0551, 82.5400,
106.2675

 81.2746, 82.6531,
106.2778

 81.4950, 82.7667,
106.2881

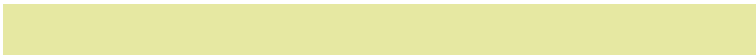
Harmonies

Analogous

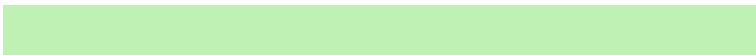
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7952, 77.1449, 44.4619



68.0113, 77.1449, 45.4883



61.2089, 77.1449, 55.4694

Triad

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



68.0113, 77.1449, 45.4883



62.5348, 77.1449, 126.4399



91.4543, 77.1449, 94.1714

Complementary

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



68.0113, 77.1449, 45.4883



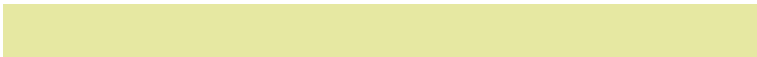
42.7987, 39.5614, 81.7288

Split Complementary

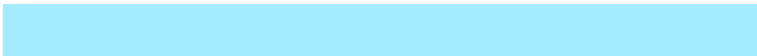
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.9406, 77.1449, 120.9361



68.0113, 77.1449, 45.4883



69.9589, 77.1449, 141.9343

Square

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



68.0113, 77.1449, 45.4883



58.2284, 77.1449, 100.5810



78.9062, 77.1449, 139.7374



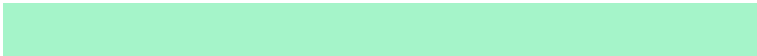
90.8260, 77.1449, 69.3453

Rectangle

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



68.0113, 77.1449, 45.4883



58.4907, 77.1449, 67.2519



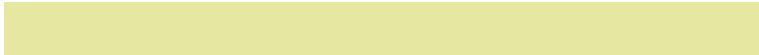
78.9062, 77.1449, 139.7374



90.4742, 77.1449, 103.3153

Sweetspot

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



68.0133, 77.1484, 45.4899



91.3310, 98.4845, 90.5769



52.9297, 46.0200, 40.2765



19.4286, 21.0308, 18.7987



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.



68.0133, 77.1484, 45.4899



82.6676, 94.9360, 48.7118



58.1028, 72.0393, 45.0261



15.5586, 16.7950, 15.3262



33.3389, 40.9683, 6.1505



2.4766, 3.0341, 0.4551

Inverse Universe

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



42.7987, 39.5614, 81.7288



46.8731, 41.5742, 100.1619



50.8209, 43.6970, 82.1043



13.6208, 13.9068, 18.1107



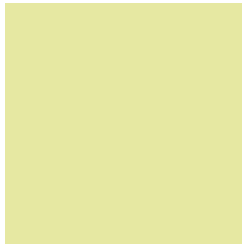
8.1502, 3.2675, 42.5843



0.6158, 0.2484, 3.1475

Previews

White Background



This preview shows how the XYZ color 68.0113, 77.1449, 45.4883 looks on a white background.

Color Contrast Check

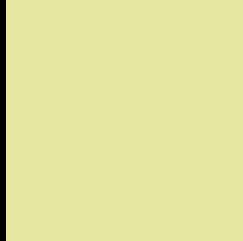
Large Text (above 18pt) WCAG AA × Fail

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 68.0113, 77.1449, 45.4883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

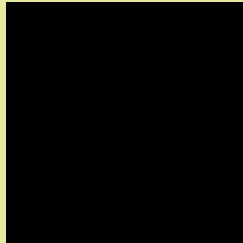
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0113, 77.1449, 45.4883

Background



This preview shows how black text looks on a background with the XYZ color 68.0113, 77.1449, 45.4883.



This preview shows how white text looks on a background with the XYZ color 68.0113, 77.1449,

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

68.0113, 77.1449, 45.4883

Protanopia

71.4704, 76.8887, 44.3318

Deuteranopia

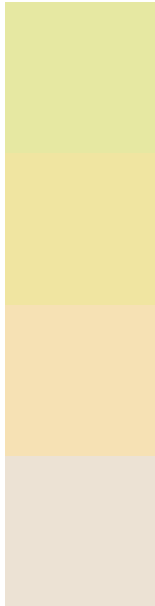
76.5004, 76.7345, 60.0694



Tritanopia

77.7846, 77.0591, 93.2123

Trichromacy



Original Color

68.0113, 77.1449, 45.4883

Protanomaly

70.3875, 77.1371, 44.8973

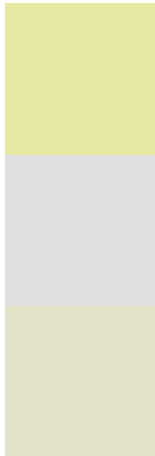
Deuteranomaly

73.1695, 76.7385, 54.1356

Tritanomaly

73.6721, 76.9790, 73.2629

Monochromacy



Original Color

68.0113, 77.1449, 45.4883

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

69.1030, 74.7785, 66.0499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0113, 77.1449, 45.4883 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(230, 232, 162)` looks like.

```
.text, #text, p{  
    color:rgb(230, 232, 162)  
}
```

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(230, 232, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 232, 162) }
```

Border

The CSS property to change the border of an element to XYZ 68.0113, 77.1449, 45.4883 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(230, 232, 162) }
```


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

```
.border{ border-color:rgb(230, 232, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 232, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 232, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 232, 162);  
box-shadow:4px 4px 4px 4px rgb(230, 232,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0113, 77.1449, 45.4883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 232, 162) }
```

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

```
.background{ background-color: rgb(230,  
232, 162) }
```

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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