

Converting Colors

XYZ(68.0633, 80.2348, 42.4714)

Have a look what the booklet for
XYZ(68.0633, 80.2348, 42.4714)
contains.

XYZ(68.0633, 80.2348, 42.4714)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.0633, 80.2348,
42.4714)**

Conversions

Conversions Part 1

Format	Color
Hex	E2EF9A
RGB	226, 239, 154
RGB Percent	89%, 94%, 60%
CMY	0.1137, 0.0627, 0.3961
CMYK	0.05, 0.00, 0.36, 0.06
HSL	69°, 73%, 77%
HSV	69°, 36%, 94%
XYZ	68.0633, 80.2348, 42.4714
YIQ	225.4230, 19.5370, -29.1910

Conversions

Conversions Part 2

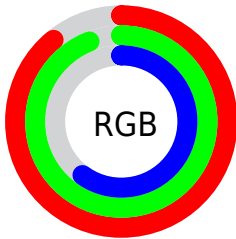
Format	Color
RYB	154, 239, 167
Decimal	14872474
CIELab	91.79, -17.28, 39.71
CIELCh	92, 43.312, 113.517
Yxy	80.2348, 0.3568, 0.4206
Android (android.graphics.Color)	4293062554 (0xFFE2EF9A)
YUV	225.4230, -35.2115, 0.5060
Hunter-Lab	89.5739, -21.1199, 34.5894

Details

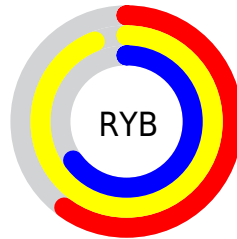
The XYZ color **68.0633, 80.2348, 42.4714** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.0749, 37.5607, 86.6455**, and the grayscale version is **72.1100, 75.8654, 82.6174**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **35.9093, 43.3723, 19.0494** is the 20% darker color. If you saturate the color by 10%, you get **65.1339, 78.9348, 32.9580**, and if you desaturate by 10%, it is **71.4176, 81.7132, 54.0766**.

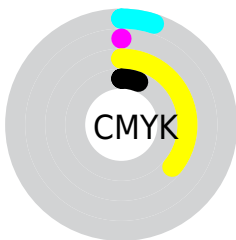
Distribution



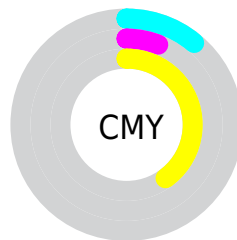
- Red (89%)
- Green (94%)
- Blue (60%)



- Red (60%)
- Yellow (94%)
- Blue (65%)



- Cyan (5%)
- Magenta (0%)
- Yellow (36%)
- Black (6%)





- Cyan (11%)
- Magenta (6%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.0633, 80.2348, 42.4714 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 68.0633, 80.2348, 42.4714 by changing the saturation by 10% instead.


 68.0633, 80.2348,
42.4714


 68.0633, 80.2348,
42.4714


443.0935,
495.7238, 372.2905

 50.2231, 59.9116,
29.1423


 115.4841,
133.6958, 80.1904

 35.8092, 43.3474,
18.9420


 145.7954,
167.6024, 105.4172

 24.4563, 30.1578,
11.4520


180.9945,
206.8055, 135.4471

 15.7990, 19.9584,
6.2537

221.4467,
251.6897, 170.6986

 9.4720, 12.3648,
2.9287

267.5173,
302.6391, 211.5901

 5.1099, 6.9926,
1.0583

319.5717,

 2.3473, 3.4575,

360.0384, 258.5402

0.0000

377.9753,
424.2718, 311.9675

0.8187, 1.3750,
0.0000

0.0000, 0.1982,
0.0000

68.0633, 80.2348,
42.4714

68.0633, 80.2348,
42.4714

65.1339, 78.9348,
32.9580

71.4176, 81.7132,
54.0766

62.5995, 77.7927,
25.4068


75.2125, 83.3679,
67.8828


60.4358, 76.8018,
19.6817


79.4704, 85.2106,
83.9977


58.6132, 75.9501,
15.6272


84.2102, 87.2490,
102.5204


 57.0970, 75.2237,
13.0617


 86.3251, 88.2404,
107.0900

 55.8446, 74.6055,
11.7615

 87.6087, 88.9021,
107.1501

 55.3441, 74.3542,
11.4349

 88.9175, 89.5768,
107.2113

 90.1582, 90.2164,
107.2694

Harmonies

Analogous

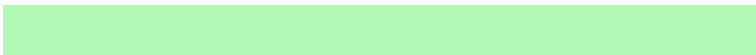
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6942, 80.2348, 39.6415



68.0633, 80.2348, 42.4714



60.3661, 80.2348, 55.8451

Triad

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



68.0633, 80.2348, 42.4714



64.2699, 80.2348, 146.2494



99.4751, 80.2348, 94.4413

Complementary

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



68.0633, 80.2348, 42.4714



43.0749, 37.5607, 86.6455

Split Complementary

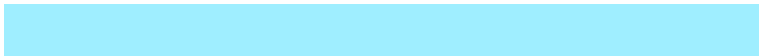
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.7260, 80.2348, 128.9437



68.0633, 80.2348, 42.4714



73.8781, 80.2348, 163.1892

Square

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



68.0633, 80.2348, 42.4714



58.3289, 80.2348, 114.0711



85.0913, 80.2348, 156.1893



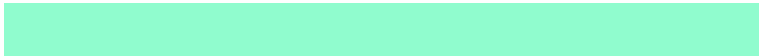
97.5358, 80.2348, 65.1860

Rectangle

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



68.0633, 80.2348, 42.4714



57.5836, 80.2348, 71.1527



85.0913, 80.2348, 156.1893



98.5941, 80.2348, 105.8632

Sweetspot

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



68.0653, 80.2384, 42.4731



89.2969, 97.5184, 86.7534



55.2050, 48.2319, 36.9730



18.9714, 20.8115, 18.0344



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

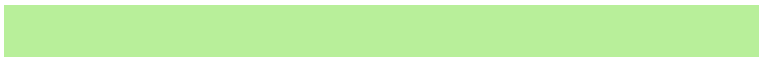
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.0653, 80.2384, 42.4731



76.2329, 91.7910, 40.6293



56.4094, 74.2295, 41.9276



16.8715, 18.3294, 16.7984



30.6731, 41.1341, 6.3230



2.6153, 3.4547, 0.5290

Inverse Universe

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



43.0749, 37.5607, 86.6455



43.1549, 35.2725, 99.1415



53.5035, 42.9369, 87.1336



15.1224, 15.3448, 19.8864



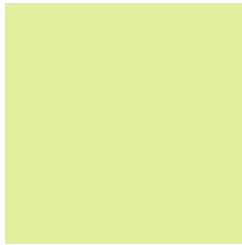
9.0912, 3.6921, 45.3614



0.8237, 0.3419, 3.7768

Previews

White Background



This preview shows how the XYZ color 68.0633, 80.2348, 42.4714 looks on a white background.

Color Contrast Check

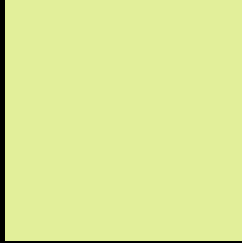
Large Text (above 18pt) WCAG AA × Fail

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 68.0633, 80.2348, 42.4714 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

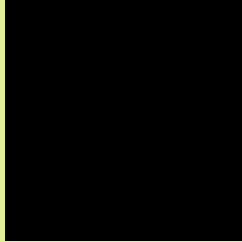
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.0633, 80.2348, 42.4714

Background



This preview shows how black text looks on a background with the XYZ color 68.0633, 80.2348, 42.4714.

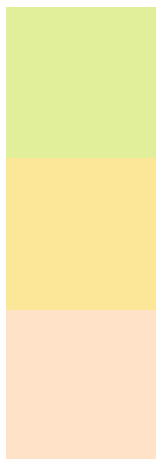


This preview shows how white text looks on a background with the XYZ color 68.0633, 80.2348,

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

68.0633, 80.2348, 42.4714

Protanopia

73.9455, 79.8954, 40.8022

Deuteranopia

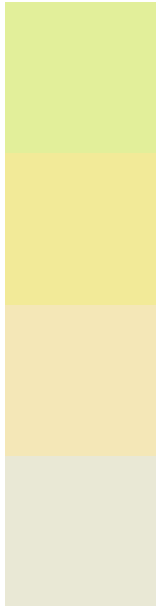
78.7452, 79.7762, 65.2809



Tritanopia

79.3030, 80.1452, 98.4786

Trichromacy



Original Color

68.0633, 80.2348, 42.4714

Protanomaly

71.7083, 79.9899, 41.3659

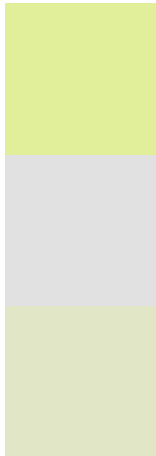
Deuteranomaly

74.4314, 79.8038, 56.2805

Tritanomaly

74.4711, 79.8410, 74.4366

Monochromacy



Original Color

68.0633, 80.2348, 42.4714

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

69.6570, 76.7247, 65.1709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.0633, 80.2348, 42.4714 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(226, 239, 154)` looks like.

```
.text, #text, p{  
    color:rgb(226, 239, 154)  
}
```

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(226, 239, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 239, 154) }
```

Border

The CSS property to change the border of an element to XYZ 68.0633, 80.2348, 42.4714 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(226, 239, 154) }
```


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

```
.border{ border-color:rgb(226, 239, 154) }
```

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

Here you see how a box with a 4 pixel rgb(226, 239, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 239, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 239, 154);  
box-shadow:4px 4px 4px 4px rgb(226, 239,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 68.0633, 80.2348, 42.4714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 239, 154) }
```

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

```
.background{ background-color: rgb(226,  
239, 154) }
```

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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