

Converting Colors

XYZ(68.8215, 80.0710, 47.9044)

Have a look what the booklet for
XYZ(68.8215, 80.0710, 47.9044)
contains.

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Color

**XYZ(68.8215, 80.0710,
47.9044)**

Conversions

Conversions Part 1

Format	Color
Hex	E2EEA6
RGB	226, 238, 166
RGB Percent	89%, 93%, 65%
CMY	0.1137, 0.0666, 0.3490
CMYK	0.05, 0.00, 0.30, 0.07
HSL	70°, 68%, 79%
HSV	70°, 30%, 93%
XYZ	68.8215, 80.0710, 47.9044
YIQ	226.2040, 15.9600, -24.9360

Conversions

Conversions Part 2

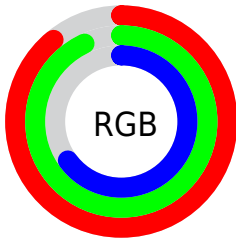
Format	Color
RYB	166, 238, 178
Decimal	14872230
CIELab	91.72, -15.31, 33.60
CIElCh	92, 36.928, 114.495
Yxy	80.0710, 0.3497, 0.4069
Android (android.graphics.Color)	4293062310 (0xFFE2EEA6)
YUV	226.2040, -29.6806, -0.1789
Hunter-Lab	89.4824, -19.3087, 30.8968

Details

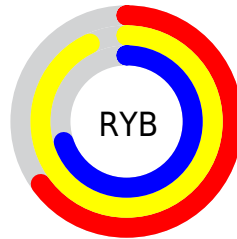
The XYZ color **68.8215, 80.0710, 47.9044** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **47.4321, 42.9126, 86.6765**, and the grayscale version is **72.6381, 76.4209, 83.2224**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **36.2861, 43.1942, 22.0476** is the 20% darker color. If you saturate the color by 10%, you get **65.6079, 78.6462, 37.3930**, and if you desaturate by 10%, it is **72.4721, 81.6794, 60.5484**.

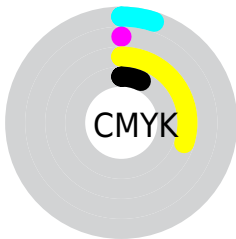
Distribution



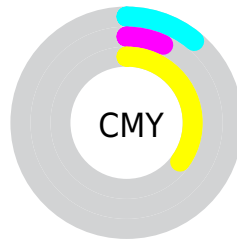
- Red (89%)
- Green (93%)
- Blue (65%)



- Red (65%)
- Yellow (93%)
- Blue (70%)



- Cyan (5%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8215, 80.0710, 47.9044 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 68.8215, 80.0710, 47.9044 by changing the saturation by 10% instead.

68.8215, 80.0710,
47.9044

68.8215, 80.0710,
47.9044

445.7324,
495.1721, 394.9108

50.8425, 59.7768,
33.3917

116.5621,
133.4656, 88.4261

36.3038, 43.2387,
22.1531

147.0543,
167.3347, 115.2722

24.8401, 30.0725,
13.7701

182.4483,
206.4975, 147.0666

16.0861, 19.8936,
7.8240

223.1094,
251.3386, 184.2277

9.6763, 12.3177,
3.8964

269.4030,
302.2421, 227.1742

5.2455, 6.9605,
1.5687

321.6945,

2.4282, 3.4374,

359.5927, 276.3245

0.2683

380.3492,
423.7745, 332.0972

■ 0.8592, 1.3641,
0.0000

■ 0.0000, 0.1901,
0.0000

■ 68.8215, 80.0710,
47.9044

■ 68.8215, 80.0710,
47.9044

■ 65.6079, 78.6462,
37.3930

■ 72.4721, 81.6794,
60.5484

■ 62.8026, 77.3853,
28.8916

■ 76.5743, 83.4691,
75.4285

■ 60.3830, 76.2819,
22.2729

■ 81.1496, 85.4514,
92.6474

■ 58.3216, 75.3251,
17.3930

■ 85.2010, 87.2275,
106.9538

■ 56.5869, 74.5022,
14.0872

■ 86.5770, 87.9369,
107.0182

■ 55.1414, 73.7982,
12.1593

■ 87.9828, 88.6616,
107.0839

■ 53.9498, 73.2020,
11.2860

■ 89.4186, 89.4017,
107.1511

■ 89.8663, 89.6325,
107.1721

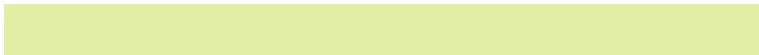
Harmonies

Analogous

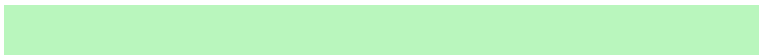
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8605, 80.0710, 44.9865



68.8215, 80.0710, 47.9044



62.2587, 80.0710, 60.3332

Triad

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



68.8215, 80.0710, 47.9044



66.0383, 80.0710, 136.7437



95.6495, 80.0710, 92.2686

Complementary

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



68.8215, 80.0710, 47.9044



47.4321, 42.9126, 86.6765

Split Complementary

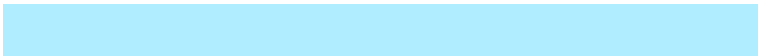
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.8658, 80.0710, 121.0103



68.8215, 80.0710, 47.9044



74.3763, 80.0710, 149.8728

Square

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



68.8215, 80.0710, 47.9044



60.7473, 80.0710, 110.5732



83.8852, 80.0710, 143.5898



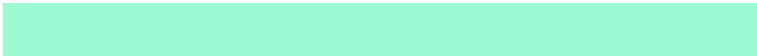
93.8549, 80.0710, 67.3497

Rectangle

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



68.8215, 80.0710, 47.9044



59.9135, 80.0710, 74.0070



83.8852, 80.0710, 143.5898



94.9789, 80.0710, 101.8384

Sweetspot

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



68.8235, 80.0746, 47.9061



90.1788, 97.8905, 90.5230



58.0660, 52.7734, 43.2034



19.1426, 20.8833, 18.7853



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

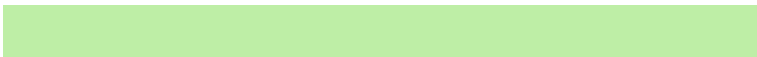
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8235, 80.0746, 47.9061



78.2200, 92.6432, 48.5037



58.6955, 74.8534, 47.4321



16.8491, 18.3179, 16.7974



30.1920, 40.8861, 6.3005



2.5796, 3.4364, 0.5273

Inverse Universe

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



47.4321, 42.9126, 86.6765



49.6592, 43.0105, 100.2923



56.8031, 47.7436, 87.1150



15.1428, 15.3553, 19.8874



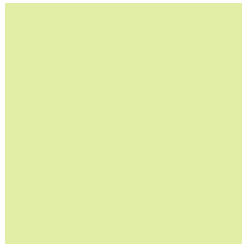
9.1633, 3.7293, 45.3647



0.8333, 0.3469, 3.7772

Previews

White Background



This preview shows how the XYZ color 68.8215, 80.0710, 47.9044 looks on a white background.

Color Contrast Check

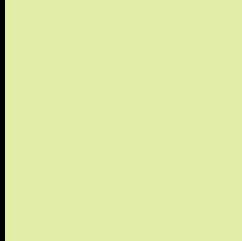
Large Text (above 18pt) WCAG AA × Fail

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 68.8215, 80.0710, 47.9044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

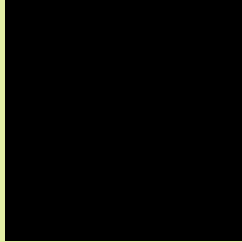
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

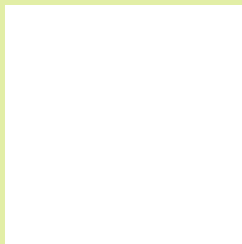
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.8215, 80.0710, 47.9044

Background



This preview shows how black text looks on a background with the XYZ color 68.8215, 80.0710, 47.9044.

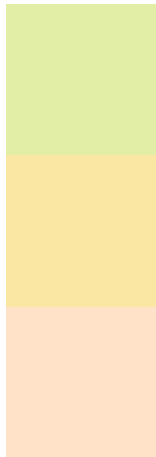


This preview shows how white text looks on a background with the XYZ color 68.8215, 80.0710,

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

68.8215, 80.0710, 47.9044

Protanopia

74.2537, 79.9359, 46.1659

Deuteranopia

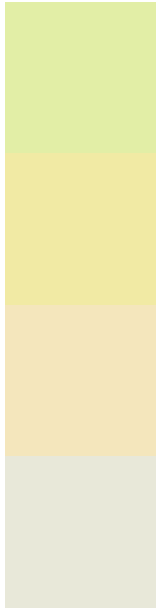
78.8617, 79.8228, 65.8945



Tritanopia

78.9700, 79.9735, 98.4630

Trichromacy



Original Color

68.8215, 80.0710, 47.9044

Protanomaly

72.3993, 80.2267, 46.7914

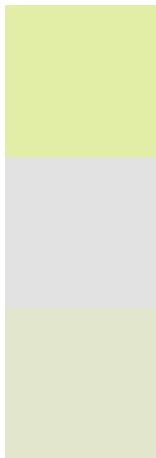
Deuteranomaly

74.6821, 79.4576, 58.9776

Tritanomaly

74.6597, 79.8788, 77.1288

Monochromacy



Original Color

68.8215, 80.0710, 47.9044

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.5599, 77.1220, 68.2939

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8215, 80.0710, 47.9044 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, 238, 166)` looks like.

```
.text, #text, p{  
    color:rgb(226, 238, 166)  
}
```

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, 238, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 238, 166) }
```

Border

The CSS property to change the border of an element to XYZ 68.8215, 80.0710, 47.9044 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, 238, 166) }
```


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

```
.border{ border-color:rgb(226, 238, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 238, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 238, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 238, 166);  
box-shadow:4px 4px 4px 4px rgb(226, 238,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8215, 80.0710, 47.9044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 238, 166) }
```

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

```
.background{ background-color: rgb(226,  
238, 166) }
```

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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