

Converting Colors

XYZ(81.1934, 89.1982, 68.5231)

Have a look what the booklet for
XYZ(81.1934, 89.1982, 68.5231)
contains.

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Color

**XYZ(81.3191, 89.1619,
68.8011)**

Conversions

Conversions Part 1

Format	Color
Hex	F6F5CA
RGB	246, 245, 202
RGB Percent	96%, 96%, 79%
CMY	0.0353, 0.0392, 0.2078
CMYK	0.00, 0.00, 0.18, 0.04
HSL	59°, 71%, 88%
HSV	59°, 18%, 96%
XYZ	81.3191, 89.1619, 68.8011
YIQ	240.3970, 14.3990, -13.1610

Conversions

Conversions Part 2

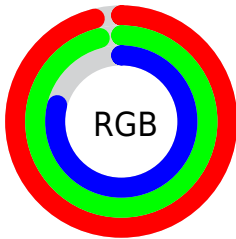
Format	Color
R _{YB}	203, 246, 202
Decimal	16184778
CIE Lab	95.65, -6.58, 20.87
CIE LCh	96, 21.885, 107.485
Yxy	89.1619, 0.3398, 0.3726
Android (android.graphics.Color)	4294374858 (0xFFFF6F5CA)
YUV	240.3970, -18.9297, 4.9138
Hunter-Lab	94.4256, -11.5210, 22.8976

Details

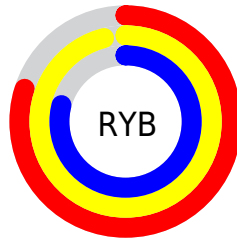
The XYZ color **81.3191, 89.1619, 68.8011** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.3475, 61.9210, 95.8552**, and the grayscale version is **83.2734, 87.6101, 95.4073**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5292, 49.3521, 35.1959** is the 20% darker color. If you saturate the color by 10%, you get **78.4685, 87.7559, 54.6082**, and if you desaturate by 10%, it is **84.6393, 90.7626, 85.4434**.

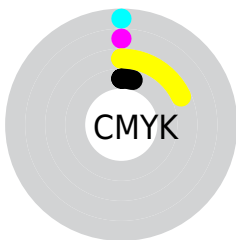
Distribution



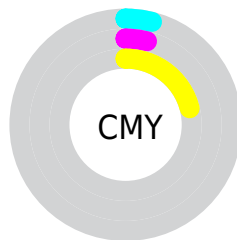
- Red (96%)
- Green (96%)
- Blue (79%)



- Red (80%)
- Yellow (96%)
- Blue (79%)



- Cyan (0%)
- Magenta (0%)
- Yellow (18%)
- Black (4%)



- Cyan (4%)
- Magenta (4%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.3191, 89.1619, 68.8011 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 81.3191, 89.1619, 68.8011 by changing the saturation by 10% instead.

81.3191, 89.1619,
68.8011

81.3191, 89.1619,
68.8011

488.0363,
525.3008, 475.0041

61.1166, 67.2857,
50.0790

134.1595,
146.1737, 119.1625

44.5722, 49.3169,
35.1045

167.5282,
182.0781, 151.6388

31.3204, 34.8709,
23.4592

206.0164,
223.4274, 189.5370

20.9960, 23.5635,
14.7245

249.9893,
270.6060, 233.2755

13.2335, 15.0101,
8.4818

299.8125,
323.9982, 283.2729

7.6677, 8.8265,
4.3126

355.8511,

3.9330, 4.6282,

383.9885, 339.9478

1.7983

418.4706,
450.9612, 403.7187

■ 1.6643, 2.0308,
0.4269

■ 0.4338, 0.6253,
0.0000

■ 81.3191, 89.1619,
68.8011

■ 81.3191, 89.1619,
68.8011

■ 78.4685, 87.7559,
54.6082

■ 84.6393, 90.7626,
85.4434

■ 76.0585, 86.5239,
42.7433


■ 88.4425, 92.5543,
104.6373


■ 74.0677, 85.4604,
33.0835


■ 89.2175, 93.1355,
107.8824


■ 72.4701, 84.5551,
25.4921


■ 89.3875, 93.4755,
107.9391


 71.2370, 83.7963,
19.8172


 89.5581, 93.8165,
107.9959

 70.3355, 83.1709,
15.8862


 89.7291, 94.1586,
108.0529


 69.7271, 82.6636,
13.4957

 89.9006, 94.5016,
108.1101

 69.3593, 82.2534,
12.3702

 90.0727, 94.8457,
108.1675

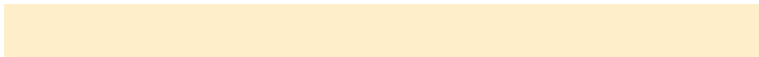
 69.2961, 82.1726,
12.2086

 90.2452, 95.1908,
108.2250

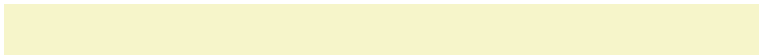
Harmonies

Analogous

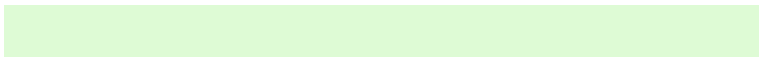
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2758, 89.1619, 68.2120



81.3191, 89.1619, 68.8011



76.5060, 89.1619, 76.3810

Triad

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



81.3191, 89.1619, 68.8011



77.1702, 89.1619, 123.5916



96.5412, 89.1619, 104.4353

Complementary

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



81.3191, 89.1619, 68.8011



62.3475, 61.9210, 95.8552

Split Complementary

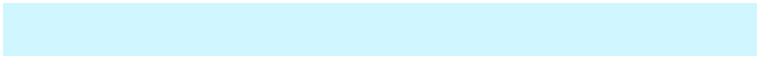
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.5568, 89.1619, 121.2216



81.3191, 89.1619, 68.8011



82.2650, 89.1619, 133.1278

Square

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



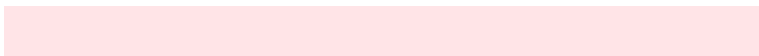
81.3191, 89.1619, 68.8011



74.1896, 89.1619, 107.3748



88.2673, 89.1619, 132.2125



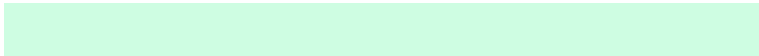
96.2584, 89.1619, 87.4693

Rectangle

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



81.3191, 89.1619, 68.8011



74.5076, 89.1619, 84.9469



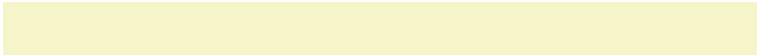
88.2673, 89.1619, 132.2125



95.8812, 89.1619, 110.3213

Sweetspot

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



81.3215, 89.1659, 68.8030



92.9727, 99.0221, 98.4144



69.9627, 66.1691, 65.8777



19.8398, 21.1663, 20.7614



0.0000, 0.0000, 0.0000



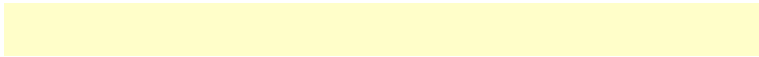
20.3446, 21.4041, 23.3091

Same Dimension

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



81.3215, 89.1659, 68.8030



87.2107, 96.2484, 69.5176



74.8143, 86.2592, 68.5849



17.8807, 19.2455, 17.5699



37.0023, 43.8901, 6.5214



3.2622, 3.8776, 0.5765

Inverse Universe

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



62.3475, 61.9210, 95.8552



63.5344, 62.2516, 103.2749



68.0439, 64.5100, 96.0547



15.6112, 15.9867, 20.8055



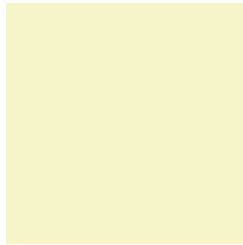
8.9246, 3.6429, 46.7708



0.7948, 0.3409, 4.1142

Previews

White Background



This preview shows how the XYZ color 81.3191, 89.1619, 68.8011 looks on a white background.

Color Contrast Check

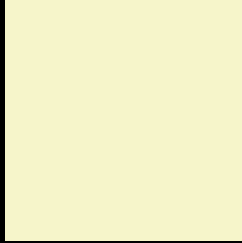
Large Text (above 18pt) WCAG AA × Fail

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 81.3191, 89.1619, 68.8011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

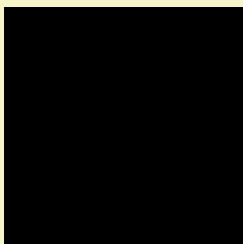
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

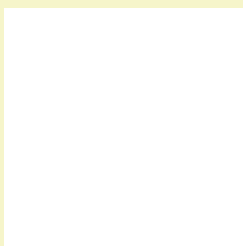
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.3191, 89.1619, 68.8011

Background



This preview shows how black text looks on a background with the XYZ color 81.3191, 89.1619, 68.8011.

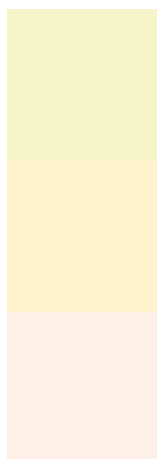


This preview shows how white text looks on a background with the XYZ color 81.3191, 89.1619,

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

81.3191, 89.1619, 68.8011

Protanopia

83.8912, 89.1239, 69.9078

Deuteranopia

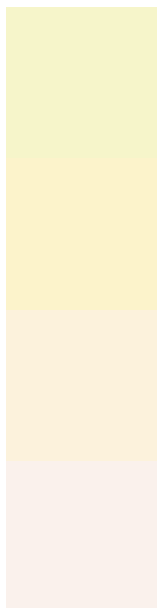
86.8239, 89.3497, 88.2714



Tritanopia

88.7694, 89.0645, 107.1203

Trichromacy



Original Color

81.3191, 89.1619, 68.8011

Protanomaly

82.9750, 89.1084, 69.3263

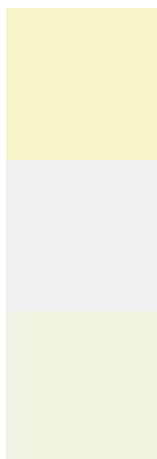
Deuteranomaly

84.8153, 89.3670, 80.4895

Tritanomaly

86.0200, 89.2907, 92.0580

Monochromacy



Original Color

81.3191, 89.1619, 68.8011

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.0975, 87.8725, 84.5856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.3191, 89.1619, 68.8011 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(246, 245, 202) looks like.

```
.text, #text, p{  
    color:rgb(246, 245, 202)  
}
```

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(246, 245, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 245, 202) }
```

Border

The CSS property to change the border of an element to XYZ 81.3191, 89.1619, 68.8011 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(246, 245, 202) }
```


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

```
.border{ border-color:rgb(246, 245, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 245, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 245, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 245, 202);  
box-shadow:4px 4px 4px 4px rgb(246, 245,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 81.3191, 89.1619, 68.8011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 245, 202) }
```

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

```
.background{ background-color: rgb(246,  
245, 202) }
```

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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