

Converting Colors

XYZ(81.4301, 87.7219, 67.2364)

Have a look what the booklet for
XYZ(81.4301, 87.7219, 67.2364)
contains.

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Color

**XYZ(81.6018, 87.9984,
67.3281)**

Conversions

Conversions Part 1

Format	Color
Hex	FAF2C8
RGB	250, 242, 200
RGB Percent	98%, 95%, 78%
CMY	0.0196, 0.0510, 0.2157
CMYK	0.00, 0.03, 0.20, 0.02
HSL	50°, 83%, 88%
HSV	50°, 20%, 98%
XYZ	81.6018, 87.9984, 67.3281
YIQ	239.6040, 18.2500, -11.3660

Conversions

Conversions Part 2

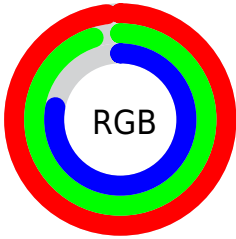
Format	Color
R _Y B	210, 250, 200
Decimal	16446152
CIE Lab	95.16, -3.92, 21.27
CIE LCh	95, 21.625, 100.454
Yxy	87.9984, 0.3444, 0.3714
Android (android.graphics.Color)	4294636232 (0xFFFAF2C8)
YUV	239.6040, -19.5248, 9.1173
Hunter-Lab	93.8075, -8.8884, 23.1112

Details

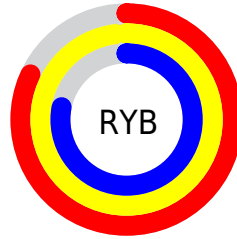
The XYZ color **81.6018, 87.9984, 67.3281** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **63.6304, 64.2918, 99.4989**, and the grayscale version is **82.6546, 86.9591, 94.6984**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7395, 48.5306, 34.2034** is the 20% darker color. If you saturate the color by 10%, you get **77.7398, 84.5736, 52.7855**, and if you desaturate by 10%, it is **85.9723, 91.6742, 84.3993**.

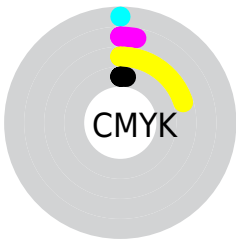
Distribution



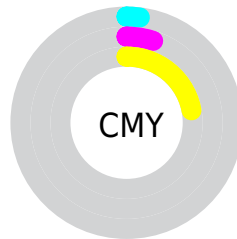
- Red (98%)
- Green (95%)
- Blue (78%)



- Red (82%)
- Yellow (98%)
- Blue (78%)



- Cyan (0%)
- Magenta (3%)
- Yellow (20%)
- Black (2%)



- Cyan (2%)
- Magenta (5%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.6018, 87.9984, 67.3281 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 81.6018, 87.9984, 67.3281 by changing the saturation by 10% instead.

81.6018, 87.9984,
67.3281

81.6018, 87.9984,
67.3281

488.9695,
521.4980, 469.6450

61.3503, 66.3217,
48.8880

134.5542,
144.5549, 117.0355

44.7616, 48.5336,
34.1657

167.9858,
180.2036, 149.1400

31.4702, 34.2497,
22.7425

206.5416,
221.2784, 186.6363

21.1107, 23.0855,
14.2000

250.5868,
268.1637, 229.9430

13.3179, 14.6566,
8.1196

300.4869,
321.2439, 279.4787

7.7263, 8.5788,
4.0827

356.6071,

3.9706, 4.4675,

380.9034, 335.6619

1.6708

419.3128,
447.5267, 398.9112

■ 1.6855, 1.9383,
0.3406

■ 0.4472, 0.5713,
0.0000

■ 81.6018, 87.9984,
67.3281

■ 81.6018, 87.9984,
67.3281

■ 77.7398, 84.5736,
52.7855

■ 85.9723, 91.6742,
84.3993

■ 74.3559, 81.3785,
40.6436

■ 90.8661, 95.5981,
104.1074

■ 71.4272, 78.4065,
30.7720

■ 92.9158, 98.4265,
108.7088

■ 68.9259, 75.6463,
23.0254

■ 93.2346, 99.0641,
108.8150

■ 66.8212, 73.0852,
17.2419

■ 65.0776, 70.7089,
13.2360

■ 63.6530, 68.5002,
10.7868

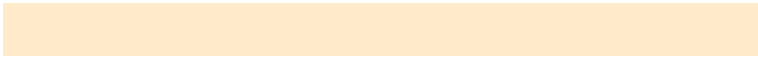
■ 62.4781, 66.4311,
9.5296

■ 62.4780, 66.4310,
9.5295

Harmonies

Analogous

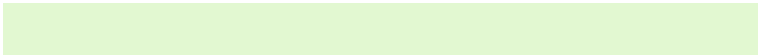
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4863, 87.9984, 68.3854



81.6018, 87.9984, 67.3281



76.5049, 87.9984, 73.1938

Triad

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



81.6018, 87.9984, 67.3281



75.3149, 87.9984, 118.4377



94.7725, 87.9984, 107.0814

Complementary

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



81.6018, 87.9984, 67.3281



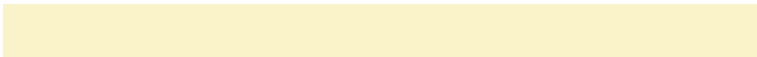
63.6304, 64.2918, 99.4989

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.



91.2051, 87.9984, 122.6748



81.6018, 87.9984, 67.3281



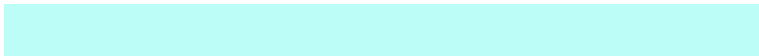
79.9078, 87.9984, 129.7452

Square

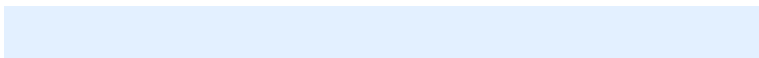
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



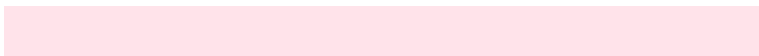
81.6018, 87.9984, 67.3281



72.9899, 87.9984, 101.8215



85.7115, 87.9984, 131.3808



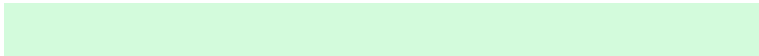
95.2784, 87.9984, 90.0501

Rectangle

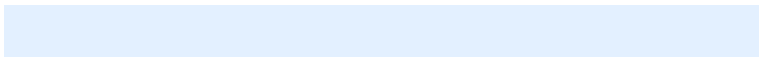
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6018, 87.9984, 67.3281



74.1694, 87.9984, 80.6948



85.7115, 87.9984, 131.3808



93.8840, 87.9984, 112.7157

Sweetspot

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



81.6041, 88.0023, 67.3300



91.9082, 97.5025, 96.1804



71.5058, 66.2042, 68.9008



19.6015, 20.8126, 20.3034



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

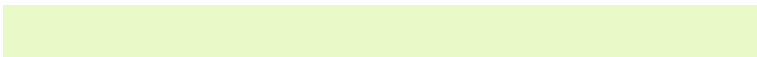
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6041, 88.0023, 67.3300



83.6725, 90.5808, 63.9951



78.3249, 89.9218, 67.8733



18.4772, 19.6903, 18.2891



33.2291, 35.4149, 5.0844



3.1388, 3.4025, 0.4913

Inverse Universe

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



63.6304, 64.2918, 99.4989



61.7413, 61.6518, 103.2536



66.4269, 62.9126, 99.0852



16.5071, 17.0911, 21.8142



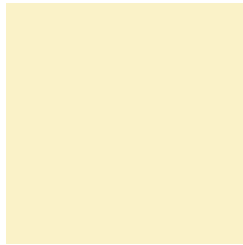
9.6214, 4.5984, 48.3540



0.9539, 0.5515, 4.4994

Previews

White Background



This preview shows how the XYZ color 81.6018, 87.9984, 67.3281 looks on a white background.

Color Contrast Check

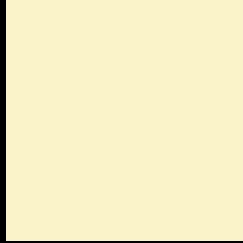
Large Text (above 18pt) WCAG AA × Fail

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 81.6018, 87.9984, 67.3281 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

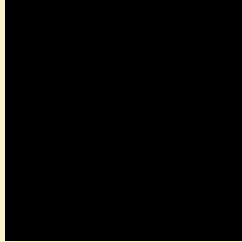
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.6018, 87.9984, 67.3281

Background



This preview shows how black text looks on a background with the XYZ color 81.6018, 87.9984, 67.3281.



This preview shows how white text looks on a background with the XYZ color 81.6018, 87.9984,

67.3281.

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

81.6018, 87.9984, 67.3281

Protanopia

83.0041, 88.2941, 66.7005

Deuteranopia

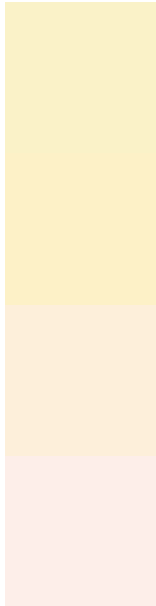
85.8181, 88.0105, 85.8634



Tritanopia

88.5190, 87.7049, 104.3588

Trichromacy



Original Color

81.6018, 87.9984, 67.3281

Protanomaly

82.2721, 87.9168, 66.6663

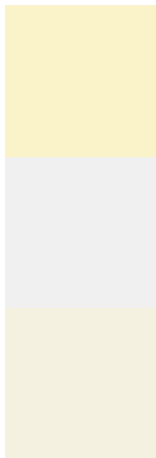
Deuteranomaly

84.0294, 87.6776, 78.8243

Tritanomaly

85.7905, 87.9149, 89.5384

Monochromacy



Original Color

81.6018, 87.9984, 67.3281

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.3541, 87.5799, 83.7983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6018, 87.9984, 67.3281 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(250, 242, 200)` looks like.

```
.text, #text, p{  
    color:rgb(250, 242, 200)  
}
```

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(250, 242, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 242, 200) }
```

Border

The CSS property to change the border of an element to XYZ 81.6018, 87.9984, 67.3281 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(250, 242, 200) }
```


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

```
.border{ border-color:rgb(250, 242, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 242, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 242, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 242, 200);  
box-shadow:4px 4px 4px 4px rgb(250, 242,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6018, 87.9984, 67.3281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 242, 200) }
```

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

```
.background{ background-color: rgb(250,  
242, 200) }
```

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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