

Converting Colors

XYZ(83.7301, 100.0000,
67.8275)

Have a look what the booklet for
XYZ(83.7301, 100.0000, 67.8275)
contains.

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Color

**XYZ(80.4301, 93.3841,
66.6091)**

Conversions

Conversions Part 1

Format	Color
Hex	ECFFC5
RGB	236, 255, 197
RGB Percent	93%, 100%, 77%
CMY	0.0745, 0.0000, 0.2274
CMYK	0.07, 0.00, 0.23, 0.00
HSL	80°, 100%, 89%
HSV	80°, 23%, 100%
XYZ	80.4301, 93.3841, 66.6091
YIQ	242.7070, 7.2940, -22.0660

Conversions

Conversions Part 2

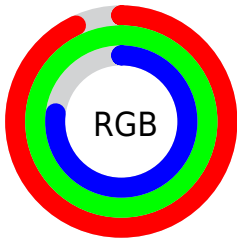
Format	Color
RYB	197, 255, 216
Decimal	15531973
CIELab	97.38, -15.79, 25.71
CIElCh	97, 30.170, 121.560
Yxy	93.3841, 0.3345, 0.3884
Android (android.graphics.Color)	4293722053 (0xFFEFCFC5)
YUV	242.7070, -22.5336, -5.8820
Hunter-Lab	96.6354, -20.5457, 26.7773

Details

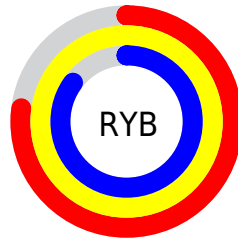
The XYZ color **80.4301, 93.3841, 66.6091** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.3361, 61.7526, 103.0309**, and the grayscale version is **85.1271, 89.5604, 97.5312**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **43.9744, 52.0746, 33.7203** is the 20% darker color. If you saturate the color by 10%, you get **75.0418, 90.9158, 52.3729**, and if you desaturate by 10%, it is **86.4435, 96.1174, 83.4571**.

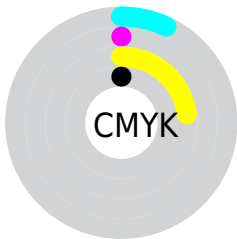
Distribution



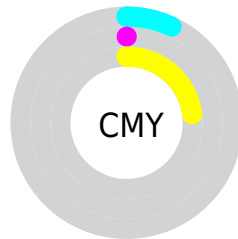
- Red (93%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (85%)



- Cyan (7%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.4301, 93.3841, 66.6091 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 80.4301, 93.3841, 66.6091 by changing the saturation by 10% instead.


 80.4301, 93.3841,
66.6091

 80.4301, 93.3841,
66.6091

485.0956,
538.9788, 467.0156

 60.3820, 70.7908,
48.3074


132.9176,
152.0303, 115.9954

 43.9773, 52.1715,
33.7087


166.0878,
188.8519, 147.9172

 30.8505, 37.1418,
22.3943

204.3627,
231.1852, 185.2160

 20.6363, 25.3173,
13.9459

248.1076,
279.4144, 228.3105

 12.9693, 16.3136,
7.9447

297.6881,
333.9240, 277.6192

 7.4843, 9.7463,
3.9723

353.4693,

 3.8158, 5.2311,

395.0983, 333.5605

1.6102

415.8167,
463.3218, 396.5532

■ 1.5984, 2.3835,
0.2981

■ 0.3914, 0.8174,
0.0000

■ 80.4301, 93.3841,
66.6091

■ 80.4301, 93.3841,
66.6091

■ 75.0418, 90.9158,
52.3729

■ 86.4435, 96.1174,
83.4571

■ 70.2504, 88.7011,
40.6134

■ 93.1053, 99.1253,
103.0346

■ 66.0276, 86.7284,
31.1897

■ 95.0500, 100.0000,
108.9000

■ 62.3419, 84.9848,
23.9449

■ 59.1579, 83.4562,
18.7030

■ 56.4352, 82.1259,
15.2605

■ 54.1249, 80.9744,
13.3710

■ 52.6561, 80.2303,
12.7107

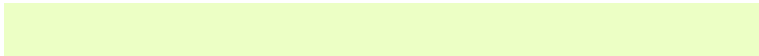
Harmonies

Analogous

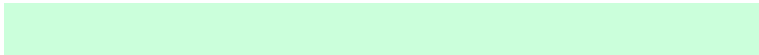
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3119, 93.3841, 61.5061



80.4301, 93.3841, 66.6091



75.0748, 93.3841, 80.8670

Triad

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



80.4301, 93.3841, 66.6091



81.1583, 93.3841, 148.9477



106.2257, 93.3841, 100.4028

Complementary

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



80.4301, 93.3841, 66.6091



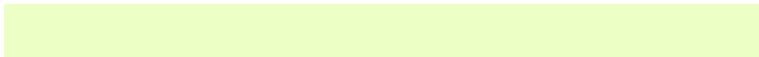
66.3361, 61.7526, 103.0309

Split Complementary

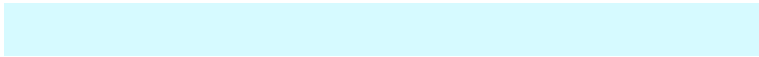
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.0120, 93.3841, 125.7875



80.4301, 93.3841, 66.6091



89.2072, 93.3841, 156.3732

Square

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



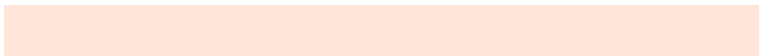
80.4301, 93.3841, 66.6091



75.4759, 93.3841, 128.3637



97.6435, 93.3841, 147.3003



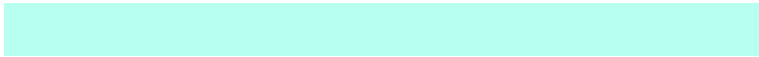
103.5153, 93.3841, 78.9759

Rectangle

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



80.4301, 93.3841, 66.6091



73.4713, 93.3841, 94.9253



97.6435, 93.3841, 147.3003



106.0321, 93.3841, 108.7465

Sweetspot

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



80.4306, 93.3843, 66.6105



90.1893, 97.8110, 94.3616



75.7126, 74.0799, 63.1330



19.2178, 20.8966, 19.9428



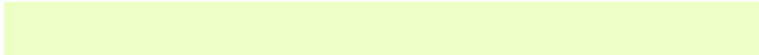
0.0000, 0.0000, 0.0000



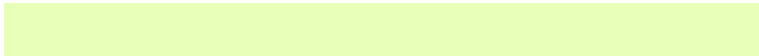
20.3446, 21.4041, 23.3091

Same Dimension

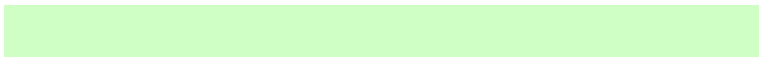
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.4306, 93.3843, 66.6105



78.0625, 92.3020, 60.2398



71.7482, 88.9084, 66.2041



18.9490, 20.7751, 19.1556



27.6778, 42.0065, 6.6493



2.8100, 4.1494, 0.6528

Inverse Universe

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



66.3361, 61.7526, 103.0309



61.8514, 55.9133, 102.1402



75.4525, 66.4523, 103.4575



17.5634, 17.6667, 22.7343



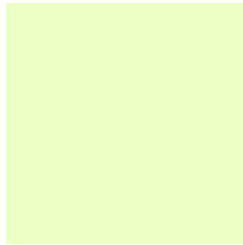
11.4592, 4.8179, 49.7606



1.2251, 0.5255, 4.8501

Previews

White Background



This preview shows how the XYZ color 80.4301, 93.3841, 66.6091 looks on a white background.

Color Contrast Check

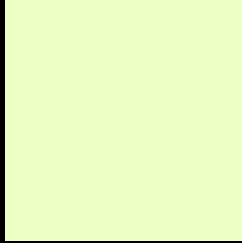
Large Text (above 18pt) WCAG AA × Fail

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 80.4301, 93.3841, 66.6091 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

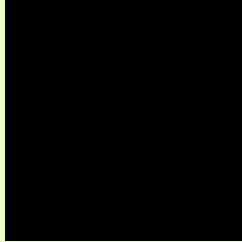
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

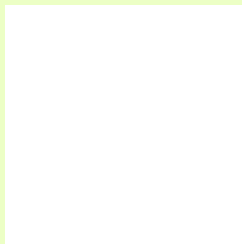
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.4301, 93.3841, 66.6091

Background



This preview shows how black text looks on a background with the XYZ color 80.4301, 93.3841, 66.6091.

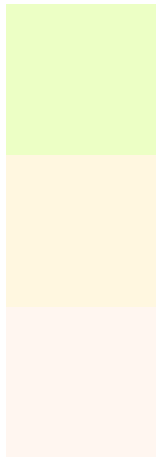


This preview shows how white text looks on a background with the XYZ color 80.4301, 93.3841,

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

80.4301, 93.3841, 66.6091

Protanopia

87.9553, 93.1633, 83.8676

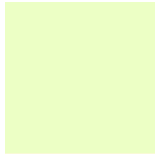
Deuteranopia

89.9239, 93.4628, 95.7387

Tritanopia

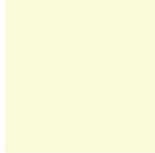
89.6685, 93.5157, 107.9320

Trichromacy



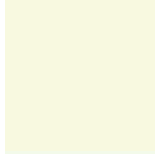
Original Color

80.4301, 93.3841, 66.6091



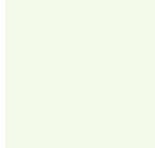
Protanomaly

85.0346, 93.1827, 77.1226



Deuteranomaly

86.0416, 93.0896, 83.9542



Tritanomaly

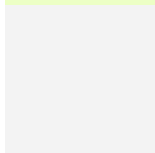
85.9990, 93.3664, 91.3308

Monochromacy



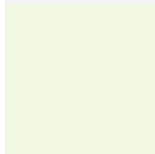
Original Color

80.4301, 93.3841, 66.6091



Achromatopsia

85.1904, 89.6269, 97.6037



Achromatomaly

82.9234, 90.5378, 85.0565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4301, 93.3841, 66.6091 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(236, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 197)  
}
```

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(236, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 197) }
```

Border

The CSS property to change the border of an element to XYZ 80.4301, 93.3841, 66.6091 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(236, 255, 197) }
```


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

```
.border{ border-color:rgb(236, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4301, 93.3841, 66.6091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 197) }
```

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

```
.background{ background-color: rgb(236,  
255, 197) }
```

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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