

Converting Colors

XYZ(81.3026, 92.8573, 68.8135)

Have a look what the booklet for
XYZ(81.3026, 92.8573, 68.8135)
contains.

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Color

**XYZ(81.2645, 92.8183,
68.8910)**

Conversions

Conversions Part 1

Format	Color
Hex	EFFDC9
RGB	239, 253, 201
RGB Percent	94%, 99%, 79%
CMY	0.0627, 0.0078, 0.2118
CMYK	0.06, 0.00, 0.21, 0.01
HSL	76°, 93%, 89%
HSV	76°, 21%, 99%
XYZ	81.2645, 92.8183, 68.8910
YIQ	242.8860, 8.3480, -19.1400

Conversions

Conversions Part 2

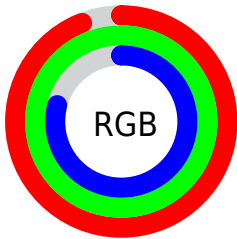
Format	Color
R_{YB}	201, 253, 215
Decimal	15728073
CIE _{Lab}	97.15, -13.17, 23.40
CIE _{LCh}	97, 26.849, 119.381
Yxy	92.8183, 0.3345, 0.3820
Android (android.graphics.Color)	4293918153 (0xFFEFFDC9)
YUV	242.8860, -20.6498, -3.4080
Hunter-Lab	96.3423, -18.0346, 25.0434

Details

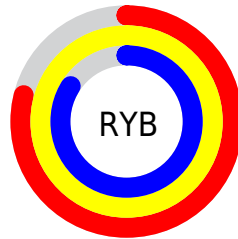
The XYZ color **81.2645, 92.8183, 68.8910** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **66.6443, 63.3147, 101.6420**, and the grayscale version is **85.2573, 89.6973, 97.6803**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.5348, 51.6537, 35.2267** is the 20% darker color. If you saturate the color by 10%, you get **76.2736, 90.5643, 54.3803**, and if you desaturate by 10%, it is **86.8373, 95.3213, 85.9916**.

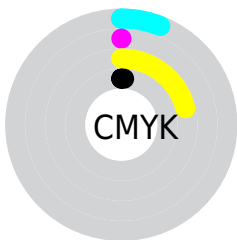
Distribution



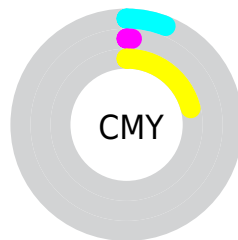
- Red (94%)
- Green (99%)
- Blue (79%)



- Red (79%)
- Yellow (99%)
- Blue (84%)



- Cyan (6%)
- Magenta (0%)
- Yellow (21%)
- Black (1%)





- Cyan (6%)
- Magenta (1%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.2645, 92.8183, 68.8910 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 81.2645, 92.8183, 68.8910 by changing the saturation by 10% instead.


 81.2645, 92.8183,
68.8910

 81.2645, 92.8183,
68.8910


487.8560,
537.1567, 475.3300

 61.0715, 70.3205,
50.1517


134.0833,
151.2470, 119.2921

 44.5356, 51.7879,
35.1620


167.4398,
187.9467, 151.7910

 31.2915, 36.8360,
23.5031

205.9149,
230.1492, 189.7136

 20.9739, 25.0805,
14.7567

249.8739,
278.2388, 233.4784

 13.2172, 16.1371,
8.5041

299.6821,
332.6000, 283.5038

 7.6563, 9.6212,
4.3268

355.7050,

 3.9258, 5.1485,

393.6171, 340.2086

1.8063

418.3078,
461.6745, 404.0111

■ 1.6602, 2.3347,
0.4321

■ 0.4312, 0.7920,
0.0000

■ 81.2645, 92.8183,
68.8910

■ 81.2645, 92.8183,
68.8910

■ 76.2736, 90.5643,
54.3803

■ 86.8373, 95.3213,
85.9916

■ 71.8324, 88.5369,
42.3271

■ 93.0079, 98.0705,
105.7938

■ 67.9164, 86.7295,
32.5966

■ 94.4172, 98.7344,
108.6891

■ 64.4959, 85.1299,
25.0383

■ 61.5382, 83.7250,
19.4842

■ 59.0057, 82.4997,
15.7419

■ 56.8536, 81.4358,
13.5808

■ 55.1031, 80.5523,
12.6439

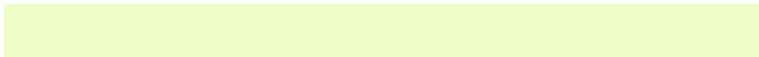
Harmonies

Analogous

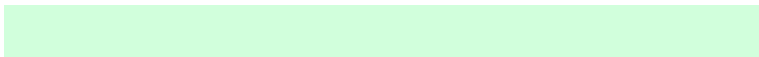
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3785, 92.8183, 64.8191



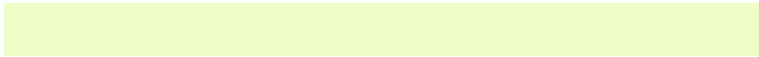
81.2645, 92.8183, 68.8910



76.2678, 92.8183, 81.2665

Triad

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



81.2645, 92.8183, 68.8910



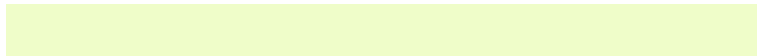
81.0067, 92.8183, 141.3911



103.6059, 92.8183, 101.5148

Complementary

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



81.2645, 92.8183, 68.8910



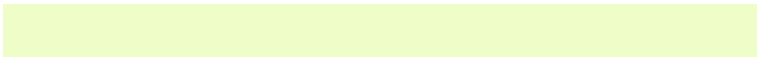
66.6443, 63.3147, 101.6420

Split Complementary

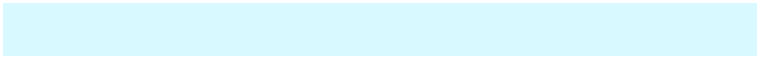
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



101.3621, 92.8183, 123.8394



81.2645, 92.8183, 68.8910



88.0637, 92.8183, 148.7906

Square

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



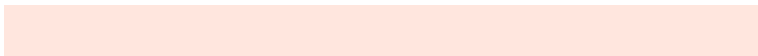
81.2645, 92.8183, 68.8910



76.1250, 92.8183, 122.9474



95.5636, 92.8183, 141.9557



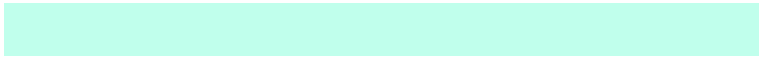
101.5349, 92.8183, 81.9436

Rectangle

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



81.2645, 92.8183, 68.8910



74.6622, 92.8183, 93.5677



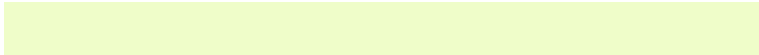
95.5636, 92.8183, 141.9557



103.3294, 92.8183, 108.9490

Sweetspot

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



81.2669, 92.8224, 68.8930



91.1839, 98.2803, 96.3687



75.3204, 73.6356, 65.5030



19.4299, 20.9972, 20.3480



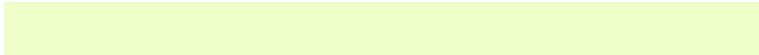
0.0000, 0.0000, 0.0000



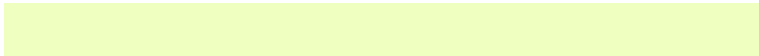
20.3446, 21.4041, 23.3091

Same Dimension

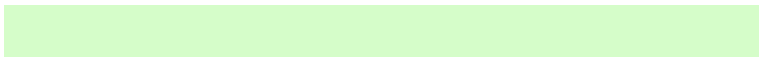
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2669, 92.8224, 68.8930



80.3948, 93.4406, 63.2332



73.1502, 88.6381, 68.5131



19.0560, 20.8303, 19.1606



29.4575, 42.9240, 6.7326



2.9724, 4.2331, 0.6604

Inverse Universe

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



66.6443, 63.3147, 101.6420



62.8656, 58.0614, 102.5013



74.8496, 67.5448, 102.0260



17.4619, 17.6143, 22.7295



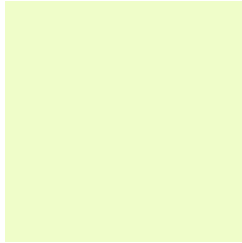
10.8224, 4.4896, 49.7308



1.1525, 0.4881, 4.8467

Previews

White Background



This preview shows how the XYZ color 81.2645, 92.8183, 68.8910 looks on a white background.

Color Contrast Check

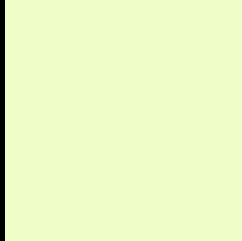
Large Text (above 18pt) WCAG AA × Fail

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 81.2645, 92.8183, 68.8910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

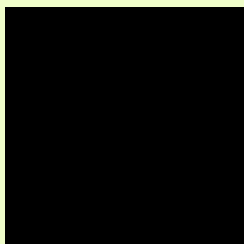
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

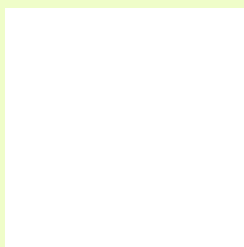
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.2645, 92.8183, 68.8910

Background



This preview shows how black text looks on a background with the XYZ color 81.2645, 92.8183, 68.8910.

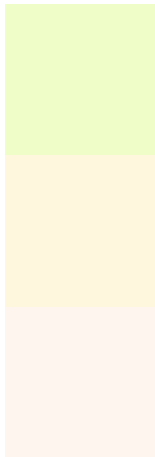


This preview shows how white text looks on a background with the XYZ color 81.2645, 92.8183,

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

81.2645, 92.8183, 68.8910

Protanopia

87.3806, 92.4455, 82.3455

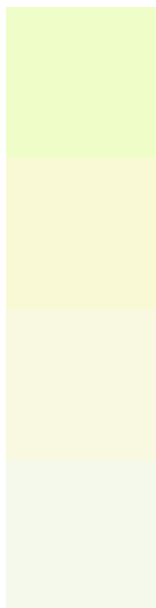
Deuteranopia

89.4724, 92.7968, 94.8572

Tritanopia

89.3635, 92.9057, 107.8304

Trichromacy



Original Color

81.2645, 92.8183, 68.8910

Protanomaly

85.0802, 92.7461, 77.0359

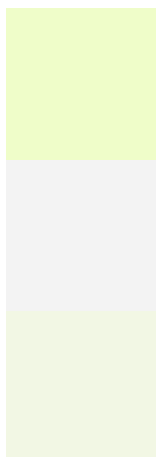
Deuteranomaly

86.2249, 92.7108, 84.5846

Tritanomaly

86.1793, 92.9826, 92.0026

Monochromacy



Original Color

81.2645, 92.8183, 68.8910

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.8823, 91.0002, 86.5425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.2645, 92.8183, 68.8910 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(239, 253, 201)` looks like.

```
.text, #text, p{  
    color:rgb(239, 253, 201)  
}
```

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(239, 253, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 253, 201) }
```

Border

The CSS property to change the border of an element to XYZ 81.2645, 92.8183, 68.8910 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(239, 253, 201) }
```


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

```
.border{ border-color:rgb(239, 253, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 253, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 253, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 253, 201);  
box-shadow:4px 4px 4px 4px rgb(239, 253,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 81.2645, 92.8183, 68.8910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 253, 201) }
```

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

```
.background{ background-color: rgb(239,  
253, 201) }
```

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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