

Converting Colors

XYZ(81.8396, 89.0918, 84.1172)

Have a look what the booklet for
XYZ(81.8396, 89.0918, 84.1172)
contains.

XYZ(81.8396, 89.0918, 84.1172)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(81.8396, 89.0918,
84.1172)**

Conversions

Conversions Part 1

Format	Color
Hex	EFF5E1
RGB	239, 245, 225
RGB Percent	94%, 96%, 88%
CMY	0.0627, 0.0392, 0.1176
CMYK	0.02, 0.00, 0.08, 0.04
HSL	78°, 50%, 92%
HSV	78°, 8%, 96%
XYZ	81.8396, 89.0918, 84.1172
YIQ	240.9260, 2.8440, -7.4920

Conversions

Conversions Part 2

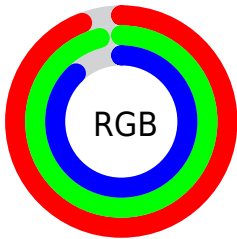
Format	Color
R_{YB}	225, 245, 231
Decimal	15726049
CIE _{Lab}	95.62, -5.44, 8.93
CIE _{LCh}	96, 10.457, 121.341
Y _{xy}	89.0918, 0.3209, 0.3493
Android (android.graphics.Color)	4293916129 (0xFFEFF5E1)
Y _{UV}	240.9260, -7.8515, -1.6891
Hunter-Lab	94.3885, -10.4112, 13.2338

Details

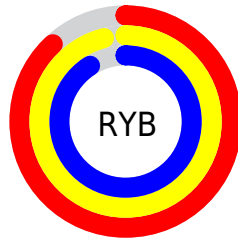
The XYZ color **81.8396, 89.0918, 84.1172** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.3652, 77.4344, 97.3124**, and the grayscale version is **83.6113, 87.9656, 95.7945**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9817, 49.3648, 45.1878** is the 20% darker color. If you saturate the color by 10%, you get **76.3023, 86.5987, 67.6449**, and if you desaturate by 10%, it is **87.9625, 91.8366, 103.1241**.

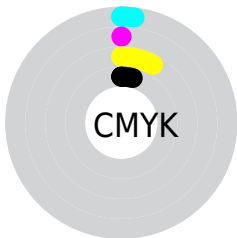
Distribution



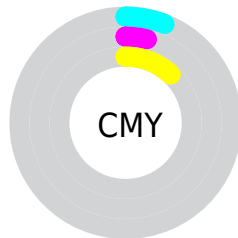
- Red (94%)
- Green (96%)
- Blue (88%)



- Red (88%)
- Yellow (96%)
- Blue (91%)



- Cyan (2%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)





- Cyan (6%)
- Magenta (4%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.8396, 89.0918, 84.1172 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 81.8396, 89.0918, 84.1172 by changing the saturation by 10% instead.


 81.8396, 89.0918,
84.1172

 81.8396, 89.0918,
84.1172

489.7536,
525.0721, 528.7706

 61.5470, 67.2276,
62.5663


134.8860,
146.0762, 141.0023

 44.9210, 49.2696,
45.0517


168.3706,
181.9653, 177.1735

 31.5962, 34.8334,
31.1549


206.9831,
223.2981, 219.0553

 21.2073, 23.5346,
20.4574

251.0891,
270.4590, 267.0661

 13.3889, 14.9887,
12.5406

301.0537,
323.8325, 321.6245

 7.7758, 8.8115,
6.9860

357.2425,

 4.0024, 4.6184,

383.8029, 383.1490

3.3750

420.0207,
450.7546, 452.0582

■ 1.7035, 2.0252,
1.2892

■ 0.4585, 0.6220,
0.0529

■ 81.8396, 89.0918,
84.1172

■ 81.8396, 89.0918,
84.1172

■ 76.3023, 86.5987,
67.6449

■ 87.9625, 91.8366,
103.1241

■ 71.3218, 84.3370,
53.5943

■ 91.4713, 93.5446,
107.8426

■ 66.8775, 82.3012,
41.8524

■ 91.9442, 93.7884,
107.8647

■ 62.9447, 80.4812,
32.2954

■ 59.4963, 78.8661,
24.7874

■ 56.5024, 77.4437,
19.1776

■ 53.9291, 76.2005,
15.2943

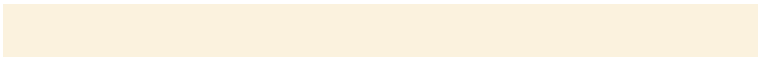
■ 51.7367, 75.1202,
12.9350

■ 49.8705, 74.1809,
11.8190

Harmonies

Analogous

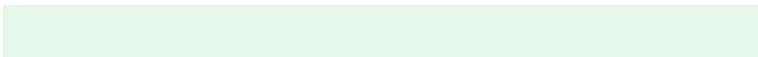
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5500, 89.0918, 82.0404



81.8396, 89.0918, 84.1172



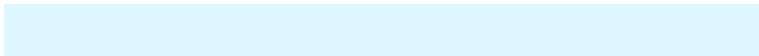
79.9259, 89.0918, 89.6178

Triad

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



81.8396, 89.0918, 84.1172



82.0585, 89.0918, 111.5536



90.3198, 89.0918, 96.6364

Complementary

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



81.8396, 89.0918, 84.1172



76.3652, 77.4344, 97.3124

Split Complementary

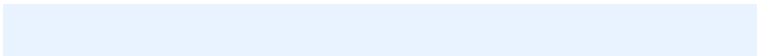
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6170, 89.0918, 104.7891



81.8396, 89.0918, 84.1172



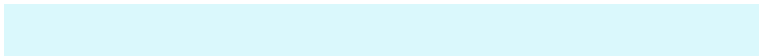
84.8083, 89.0918, 113.6888

Square

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



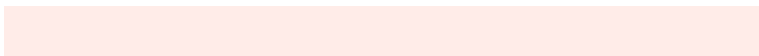
81.8396, 89.0918, 84.1172



80.0503, 89.0918, 105.4652



87.5835, 89.0918, 111.1480



89.4830, 89.0918, 89.0114

Rectangle

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



81.8396, 89.0918, 84.1172



79.3370, 89.0918, 94.6444



87.5835, 89.0918, 111.1480



90.2557, 89.0918, 99.4062

Sweetspot

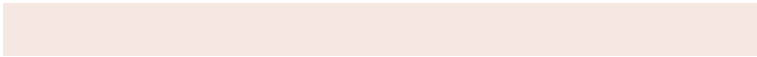
The Sweet Spot groups the original color and five complimentary colors.



81.8420, 89.0957, 84.1191



93.6786, 99.3867, 104.6064



79.8259, 82.0034, 82.8565



20.0655, 21.2793, 22.4350



0.0000, 0.0000, 0.0000



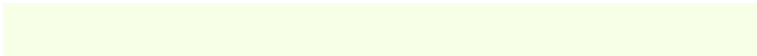
20.3446, 21.4041, 23.3091

Same Dimension

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



81.8420, 89.0957, 84.1191



88.4525, 97.0421, 88.5644



78.5590, 87.4032, 83.9655



17.4021, 19.0493, 17.5573



26.8382, 39.9484, 6.2963



2.4623, 3.5644, 0.5582

Inverse Universe

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



76.3652, 77.4344, 97.3124



81.1845, 81.5669, 106.0728



79.6854, 79.1460, 97.4678



16.0488, 16.1678, 20.8174



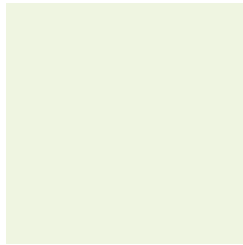
10.5030, 4.3888, 46.8316



1.0225, 0.4370, 4.1207

Previews

White Background



This preview shows how the XYZ color 81.8396, 89.0918, 84.1172 looks on a white background.

Color Contrast Check

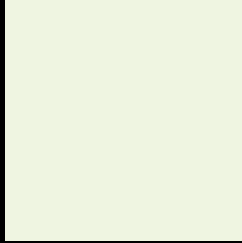
Large Text (above 18pt) WCAG AA × Fail

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 81.8396, 89.0918, 84.1172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

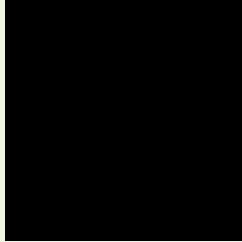
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

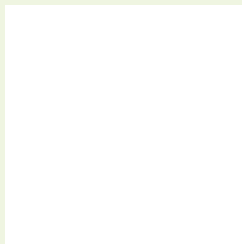
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.8396, 89.0918, 84.1172

Background



This preview shows how black text looks on a background with the XYZ color 81.8396, 89.0918, 84.1172.

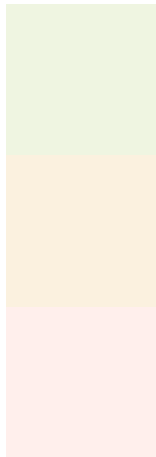


This preview shows how white text looks on a background with the XYZ color 81.8396, 89.0918,

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

81.8396, 89.0918, 84.1172

Protanopia

84.5582, 88.7475, 82.4853

Deuteranopia

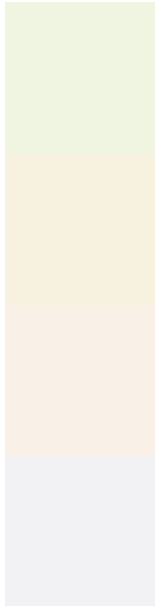
87.2468, 89.0491, 91.9467



Tritanopia

86.8135, 89.3637, 107.2811

Trichromacy



Original Color

81.8396, 89.0918, 84.1172

Protanomaly

83.5644, 88.6602, 83.2298

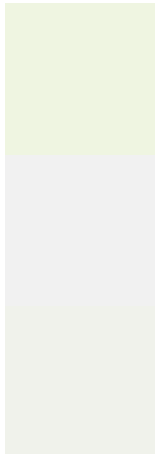
Deuteranomaly

85.0877, 88.8765, 89.0142

Tritanomaly

84.6992, 88.9132, 98.2858

Monochromacy



Original Color

81.8396, 89.0918, 84.1172

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

82.6827, 88.0277, 91.2305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8396, 89.0918, 84.1172 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, 245, 225) looks like.

```
.text, #text, p{  
    color:rgb(239, 245, 225)  
}
```

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, 245, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 245, 225) }
```

Border

The CSS property to change the border of an element to XYZ 81.8396, 89.0918, 84.1172 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, 245, 225) }
```


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

```
.border{ border-color:rgb(239, 245, 225) }
```

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

Here you see how a box with a 4 pixel rgb(239, 245, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 245, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 245, 225);  
box-shadow:4px 4px 4px 4px rgb(239, 245,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8396, 89.0918, 84.1172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 245, 225) }
```

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

```
.background{ background-color: rgb(239,  
245, 225) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor