

Converting Colors

XYZ(81.7639, 92.4307, 83.6096)

Have a look what the booklet for
XYZ(81.7639, 92.4307, 83.6096)
contains.

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Color

**XYZ(81.7340, 92.2722,
83.3145)**

Conversions

Conversions Part 1

Format	Color
Hex	E9FCDF
RGB	233, 252, 223
RGB Percent	91%, 99%, 87%
CMY	0.0863, 0.0117, 0.1255
CMYK	0.08, 0.00, 0.12, 0.01
HSL	99°, 83%, 93%
HSV	99°, 12%, 99%
XYZ	81.7340, 92.2722, 83.3145
YIQ	243.0130, -2.0150, -13.0470

Conversions

Conversions Part 2

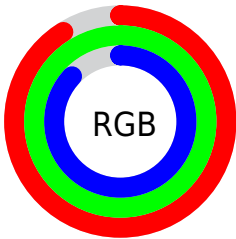
Format	Color
R _Y B	223, 252, 242
Decimal	15334623
CIE Lab	96.93, -11.30, 11.78
CIE LCh	97, 16.325, 133.813
Yxy	92.2722, 0.3176, 0.3586
Android (android.graphics.Color)	4293524703 (0xFFE9FCDF)
YUV	243.0130, -9.8664, -8.7814
Hunter-Lab	96.0584, -16.2205, 15.8168

Details

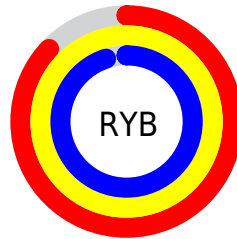
The XYZ color **81.7340, 92.2722, 83.3145** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **80.5799, 78.6834, 103.0407**, and the grayscale version is **85.2812, 89.7224, 97.7077**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.7145, 51.2045, 44.5725** is the 20% darker color. If you saturate the color by 10%, you get **73.4460, 88.3661, 66.4914**, and if you desaturate by 10%, it is **91.0373, 96.6487, 102.8286**.

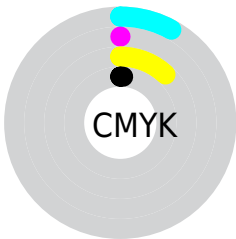
Distribution



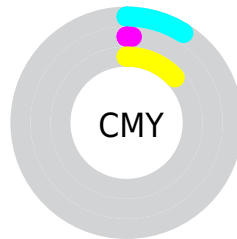
- Red (91%)
- Green (99%)
- Blue (87%)



- Red (87%)
- Yellow (99%)
- Blue (95%)



- Cyan (8%)
- Magenta (0%)
- Yellow (12%)
- Black (1%)





- Cyan (9%)
- Magenta (1%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.7340, 92.2722, 83.3145 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 81.7340, 92.2722, 83.3145 by changing the saturation by 10% instead.


 81.7340, 92.2722,
83.3145

 81.7340, 92.2722,
83.3145


489.4055,
535.3948, 526.0325

 61.4597, 69.8667,
61.9075


134.7387,
150.4906, 139.8690

 44.8502, 51.4179,
44.5227


168.1997,
187.0723, 175.8537

 31.5402, 36.5413,
30.7414


206.7871,
229.1483, 217.5346

 21.1644, 24.8525,
20.1452

250.8661,
277.1028, 265.3303

 13.3574, 15.9672,
12.3155

300.8020,
331.3203, 319.6595

 7.7538, 9.5010,
6.8338

356.9604,

 3.9883, 5.0694,

392.1852, 380.9405

3.2815

419.7064,
460.0819, 449.5920

■ 1.6955, 2.2880,
1.2401

■ 0.4535, 0.7674,
0.0119

■ 81.7340, 92.2722,
83.3145

■ 81.7340, 92.2722,
83.3145

■ 73.4460, 88.3661,
66.4914

■ 91.0373, 96.6487,
102.8286

■ 66.1297, 84.9023,
52.2353

■ 94.1022, 98.1045,
108.5841

■ 59.7492, 81.8680,
40.4217

■ 54.2637, 79.2448,
30.9130

■ 49.6286, 77.0133,
23.5584

■ 45.7953, 75.1521,
18.1886

■ 42.7092, 73.6372,
14.6094

■ 40.3072, 72.4412,
12.5871

■ 38.7317, 71.6451,
11.7875

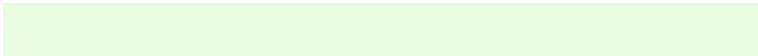
Harmonies

Analogous

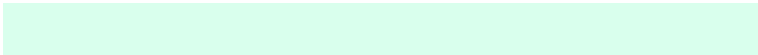
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6121, 92.2722, 77.8729



81.7340, 92.2722, 83.3145



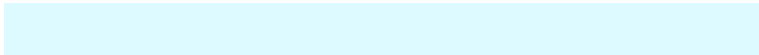
79.4981, 92.2722, 93.5874

Triad

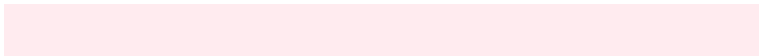
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.7340, 92.2722, 83.3145



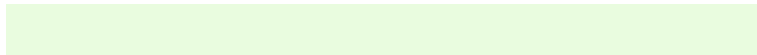
85.2651, 92.2722, 126.7438



96.5526, 92.2722, 94.5554

Complementary

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



81.7340, 92.2722, 83.3145



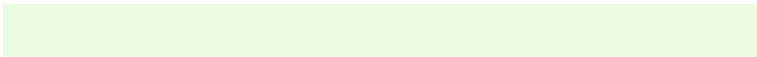
80.5799, 78.6834, 103.0407

Split Complementary

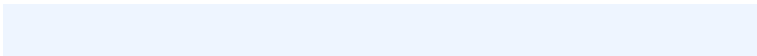
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.4517, 92.2722, 107.6794



81.7340, 92.2722, 83.3145



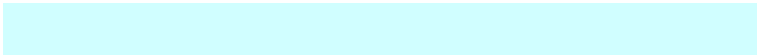
89.8255, 92.2722, 127.0605

Square

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



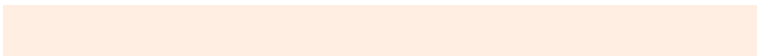
81.7340, 92.2722, 83.3145



81.4876, 92.2722, 118.9987



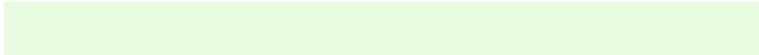
93.9536, 92.2722, 119.8295



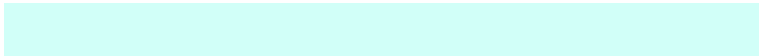
94.2245, 92.2722, 83.9697

Rectangle

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



81.7340, 92.2722, 83.3145



79.1891, 92.2722, 102.1586



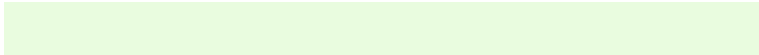
93.9536, 92.2722, 119.8295



96.8040, 92.2722, 98.7977

Sweetspot

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



81.7365, 92.2762, 83.3165



92.0224, 98.5787, 102.4566



85.1754, 89.4420, 82.5882



19.5269, 21.0202, 21.5707



0.0000, 0.0000, 0.0000



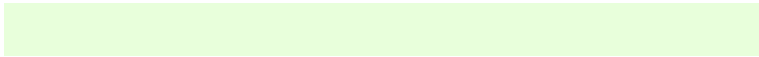
20.3446, 21.4041, 23.3091

Same Dimension

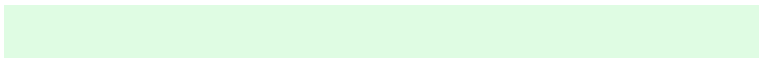
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.7365, 92.2762, 83.3165



81.7373, 93.7406, 81.0108



79.1581, 90.8783, 86.2976



17.5816, 19.6001, 18.3189



20.3169, 37.3920, 6.1466



1.9908, 3.5194, 0.5744

Inverse Universe

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



80.5799, 78.6834, 103.0407



80.3158, 77.0396, 105.2448



83.4250, 80.2289, 99.6155



17.3781, 17.2075, 21.7908



17.4135, 7.9197, 48.5844



1.7267, 0.7922, 4.5051

Previews

White Background



This preview shows how the XYZ color 81.7340, 92.2722, 83.3145 looks on a white background.

Color Contrast Check

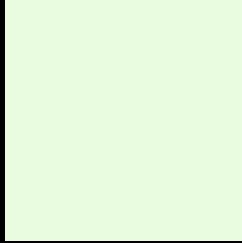
Large Text (above 18pt) WCAG AA × Fail

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 81.7340, 92.2722, 83.3145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

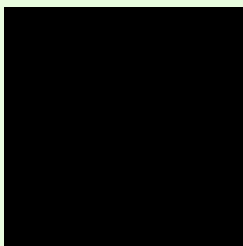
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

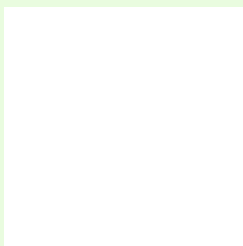
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.7340, 92.2722, 83.3145

Background



This preview shows how black text looks on a background with the XYZ color 81.7340, 92.2722, 83.3145.



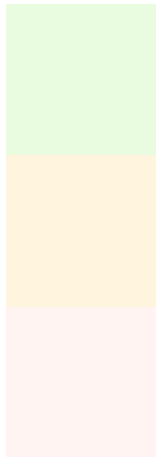
This preview shows how white text looks on a background with the XYZ color 81.7340, 92.2722,

83.3145.

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

81.7340, 92.2722, 83.3145

Protanopia

87.2117, 91.8925, 82.9525

Deuteranopia

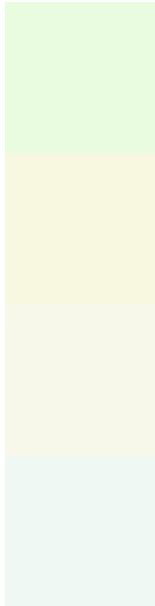
89.4679, 92.3122, 96.3217



Tritanopia

87.9679, 92.1862, 107.7651

Trichromacy



Original Color

81.7340, 92.2722, 83.3145

Protanomaly

85.2445, 92.2367, 83.1226

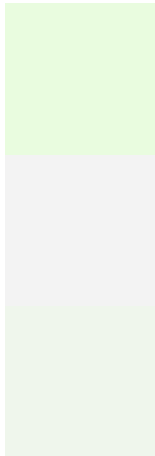
Deuteranomaly

86.4698, 92.2362, 91.0878

Tritanomaly

85.3417, 91.9566, 98.0454

Monochromacy



Original Color

81.7340, 92.2722, 83.3145

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

83.6927, 90.3184, 92.3790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7340, 92.2722, 83.3145 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(233, 252, 223)` looks like.

```
.text, #text, p{  
    color:rgb(233, 252, 223)  
}
```

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(233, 252, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 252, 223) }
```

Border

The CSS property to change the border of an element to XYZ 81.7340, 92.2722, 83.3145 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(233, 252, 223) }
```


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

```
.border{ border-color:rgb(233, 252, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 252, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 252, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 252, 223);  
box-shadow:4px 4px 4px 4px rgb(233, 252,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7340, 92.2722, 83.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 252, 223) }
```

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

```
.background{ background-color: rgb(233,  
252, 223) }
```

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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