

Converting Colors

XYZ(81.7827, 92.4735, 90.4896)

Have a look what the booklet for
XYZ(81.7827, 92.4735, 90.4896)
contains.

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Color

**XYZ(81.8282, 92.6277,
90.6569)**

Conversions

Conversions Part 1

Format	Color
Hex	E4FDE9
RGB	228, 253, 233
RGB Percent	89%, 99%, 91%
CMY	0.1059, 0.0078, 0.0863
CMYK	0.10, 0.00, 0.08, 0.01
HSL	132°, 86%, 94%
HSV	132°, 10%, 99%
XYZ	81.8282, 92.6277, 90.6569
YIQ	243.2450, -8.4800, -11.5200

Conversions

Conversions Part 2

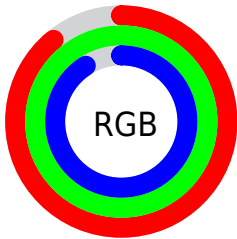
Format	Color
R _Y B	228, 249, 253
Decimal	15007209
CIE Lab	97.08, -11.74, 6.81
CIE LCh	97, 13.573, 149.903
Yxy	92.6277, 0.3087, 0.3494
Android (android.graphics.Color)	4293197289 (0xFFE4FDE9)
YUV	243.2450, -5.0508, -13.3699
Hunter-Lab	96.2433, -16.6610, 11.5218

Details

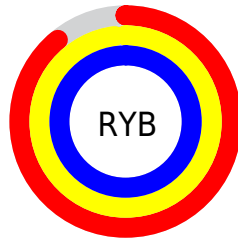
The XYZ color **81.8282, 92.6277, 90.6569** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.1981, 83.1492, 100.3704**, and the grayscale version is **85.4325, 89.8816, 97.8811**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6890, 51.4248, 49.1656** is the 20% darker color. If you saturate the color by 10%, you get **71.6542, 87.7006, 75.9430**, and if you desaturate by 10%, it is **93.5136, 98.3009, 107.1769**.

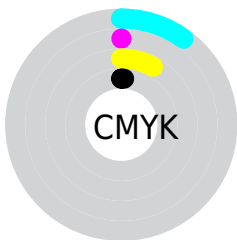
Distribution



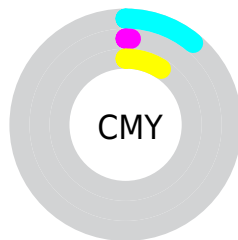
- Red (89%)
- Green (99%)
- Blue (91%)



- Red (89%)
- Yellow (98%)
- Blue (99%)



- Cyan (10%)
- Magenta (0%)
- Yellow (8%)
- Black (1%)





- Cyan (11%)
- Magenta (1%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.8282, 92.6277, 90.6569 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 81.8282, 92.6277, 90.6569 by changing the saturation by 10% instead.


 81.8282, 92.6277,
90.6569

 81.8282, 92.6277,
90.6569


489.7161,
536.5421, 550.7906

 61.5376, 70.1621,
67.9488

134.8701,
150.9831, 150.1940

 44.9133, 51.6587,
49.3897


168.3521,
187.6416, 187.8601

 31.5901, 36.7331,
34.5609


206.9620,
229.8000, 231.3493

 21.2027, 25.0009,
23.0440

251.0650,
277.8425, 281.0801

 13.3855, 16.0777,
14.4204

301.0266,
332.1535, 337.4711

 7.7734, 9.5792,
8.2716

357.2120,

 4.0009, 5.1208,

393.1176, 400.9408

4.1789

419.9867,
461.1190, 471.9078

■ 1.7026, 2.3183,
1.7240

■ 0.4579, 0.7834,
0.3771

■ 81.8282, 92.6277,
90.6569

■ 81.8282, 92.6277,
90.6569

■ 71.6542, 87.7006,
75.9430

■ 93.5136, 98.3009,
107.1769

■ 62.9220, 83.4771,
62.9679

■ 94.4170, 98.7341,
108.6890

■ 55.5678, 79.9284,
51.6690

■ 49.5202, 77.0189,
41.9779

■ 44.7008, 74.7100,
33.8212

■ 41.0232, 72.9587,
27.1199

■ 38.3890, 71.7160,
21.7879

■ 36.6825, 70.9243,
17.7298

■ 35.7246, 70.4935,
14.8362

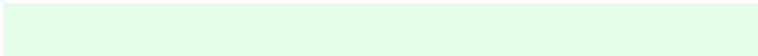
Harmonies

Analogous

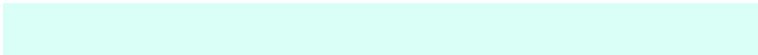
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.4236, 92.6277, 83.6749



81.8282, 92.6277, 90.6569



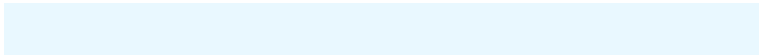
80.8874, 92.6277, 100.8203

Triad

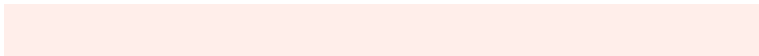
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.8282, 92.6277, 90.6569



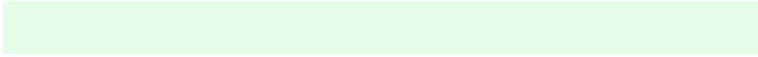
88.0274, 92.6277, 123.4217



94.5712, 92.6277, 90.7143

Complementary

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



81.8282, 92.6277, 90.6569



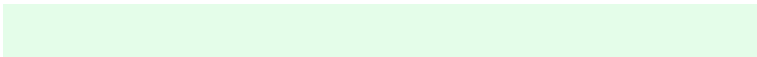
85.1981, 83.1492, 100.3704

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.



95.6020, 92.6277, 100.8914



81.8282, 92.6277, 90.6569



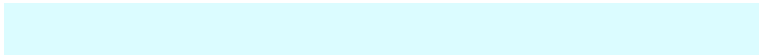
91.7579, 92.6277, 120.2409

Square

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



81.8282, 92.6277, 90.6569



84.4027, 92.6277, 120.2010



94.5582, 92.6277, 111.7923



91.7800, 92.6277, 83.7063

Rectangle

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



81.8282, 92.6277, 90.6569



81.3033, 92.6277, 108.1985



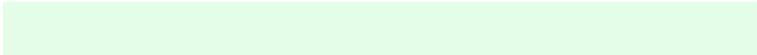
94.5582, 92.6277, 111.7923



95.1386, 92.6277, 93.8531

Sweetspot

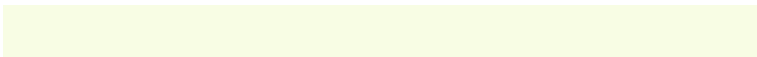
The Sweet Spot groups the original color and five complimentary colors.



81.8308, 92.6316, 90.6589



91.3215, 98.1899, 103.6636



87.9919, 95.8892, 87.2709



19.3384, 20.9157, 21.8949



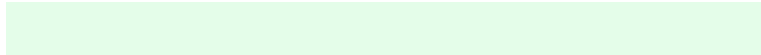
0.0000, 0.0000, 0.0000



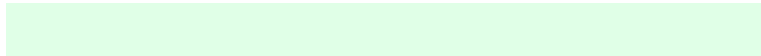
20.3446, 21.4041, 23.3091

Same Dimension

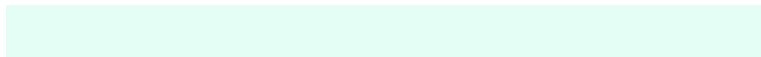
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.8308, 92.6316, 90.6589



80.9806, 93.1737, 88.9619



83.6174, 93.3463, 100.0670



17.9200, 20.2275, 19.8820



19.0392, 37.5123, 8.0916



1.8904, 3.6671, 0.9805

Inverse Universe

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



85.1981, 83.1492, 100.3704



85.0836, 81.6187, 100.7948



83.3826, 82.4230, 90.8102



18.6278, 18.2344, 21.9232



27.2990, 13.4089, 31.2888



2.6957, 1.3207, 3.2450

Previews

White Background



This preview shows how the XYZ color 81.8282, 92.6277, 90.6569 looks on a white background.

Color Contrast Check

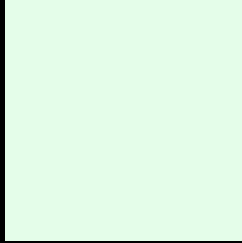
Large Text (above 18pt) WCAG AA × Fail

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 81.8282, 92.6277, 90.6569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

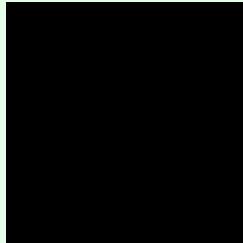
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

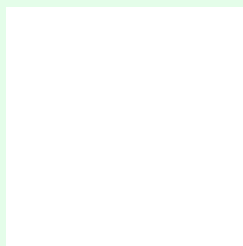
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.8282, 92.6277, 90.6569

Background



This preview shows how black text looks on a background with the XYZ color 81.8282, 92.6277, 90.6569.



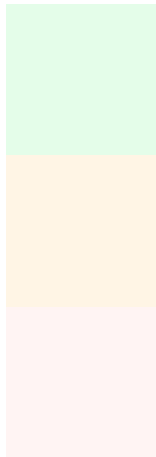
This preview shows how white text looks on a background with the XYZ color 81.8282, 92.6277,

90.6569.

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

81.8282, 92.6277, 90.6569

Protanopia

88.0353, 92.2220, 87.2894

Deuteranopia

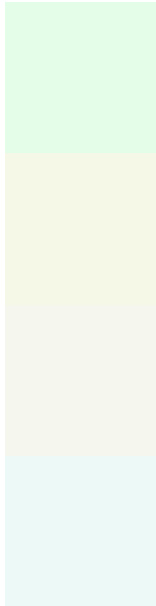
89.7683, 92.4324, 97.9040



Tritanopia

87.5864, 92.4423, 107.8346

Trichromacy



Original Color

81.8282, 92.6277, 90.6569

Protanomaly

85.5065, 92.2605, 88.1643

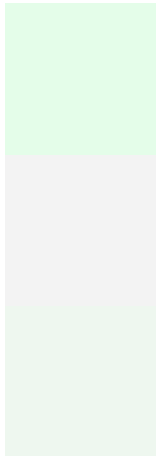
Deuteranomaly

86.4969, 92.1660, 94.8923

Tritanomaly

85.2563, 92.2996, 101.3178

Monochromacy



Original Color

81.8282, 92.6277, 90.6569

Achromatopsia

85.1904, 89.6269, 97.6037

Achromatomaly

84.1006, 90.9307, 94.7802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.8282, 92.6277, 90.6569 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(228, 253, 233)` looks like.

```
.text, #text, p{  
    color:rgb(228, 253, 233)  
}
```

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(228, 253, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 253, 233) }
```

Border

The CSS property to change the border of an element to XYZ 81.8282, 92.6277, 90.6569 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(228, 253, 233) }
```


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

```
.border{ border-color:rgb(228, 253, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 253, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 253, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 253, 233);  
box-shadow:4px 4px 4px 4px rgb(228, 253,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8282, 92.6277, 90.6569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 253, 233) }
```

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

```
.background{ background-color: rgb(228,  
253, 233) }
```

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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