

Converting Colors

XYZ(82.7423, 93.1925, 93.8987)

Have a look what the booklet for
XYZ(82.7423, 93.1925, 93.8987)
contains.

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Color

**XYZ(82.7244, 93.0230,
93.7160)**

Conversions

Conversions Part 1

Format	Color
Hex	E5FDED
RGB	229, 253, 237
RGB Percent	90%, 99%, 93%
CMY	0.1020, 0.0078, 0.0706
CMYK	0.09, 0.00, 0.06, 0.01
HSL	140°, 86%, 95%
HSV	140°, 9%, 99%
XYZ	82.7244, 93.0230, 93.7160
YIQ	244.0000, -9.1680, -10.0640

Conversions

Conversions Part 2

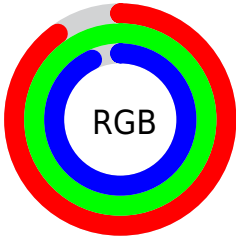
Format	Color
R_{YB}	229, 247, 253
Decimal	15072749
CIE Lab	97.24, -10.71, 4.99
CIE LCh	97, 11.812, 155.007
Yxy	93.0230, 0.3070, 0.3452
Android (android.graphics.Color)	4293262829 (0xFFE5FDED)
YUV	244.0000, -3.4510, -13.1550
Hunter-Lab	96.4484, -15.6842, 9.9036

Details

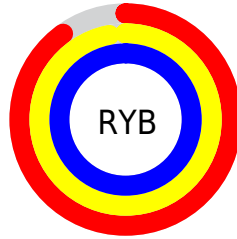
The XYZ color **82.7244, 93.0230, 93.7160** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **85.0121, 83.5161, 98.0300**, and the grayscale version is **86.0233, 90.5032, 98.5579**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3140, 51.7003, 51.3069** is the 20% darker color. If you saturate the color by 10%, you get **72.8830, 88.2237, 80.9906**, and if you desaturate by 10%, it is **93.9793, 98.5295, 107.7217**.

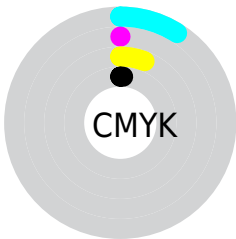
Distribution



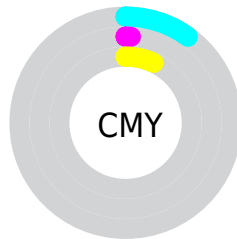
- Red (90%)
- Green (99%)
- Blue (93%)



- Red (90%)
- Yellow (97%)
- Blue (99%)



- Cyan (9%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)



- Cyan (10%)
- Magenta (1%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.7244, 93.0230, 93.7160 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 82.7244, 93.0230, 93.7160 by changing the saturation by 10% instead.

82.7244, 93.0230,
93.7160

82.7244, 93.0230,
93.7160

492.6654,
537.8163, 560.9252

62.2790, 70.4906,
70.4758

136.1199,
151.5305, 154.4698

45.5146, 51.9266,
51.4353

169.8007,
188.2743, 192.8204

32.0660, 36.9466,
36.1760

208.6240,
230.5241, 237.0450

21.5677, 25.1661,
24.2794

252.9552,
278.6643, 287.5620

13.6544, 16.2009,
15.3269

303.1595,
333.0792, 344.7900

7.9608, 9.6664,
8.9000

359.6024,

4.1215, 5.1783,

394.1532, 409.1475

4.5801

422.6493,
462.2708, 481.0530

■ 1.7711, 2.3523,
1.9487

■ 0.5001, 0.8012,
0.5234

■ 82.7244, 93.0230,
93.7160

■ 82.7244, 93.0230,
93.7160

■ 72.8830, 88.2237,
80.9906

■ 93.9793, 98.5295,
107.7217

■ 64.3904, 84.0910,
69.5036

■ 94.4171, 98.7342,
108.6890

■ 57.1881, 80.5983,
59.2192

■ 51.2103, 77.7123,
50.0982

■ 46.3851, 75.3969,
42.0989

■ 42.6329, 73.6119,
35.1772

■ 39.8633, 72.3116,
29.2858

■ 37.9696, 71.4422,
24.3738

■ 36.7905, 70.9214,
20.3839

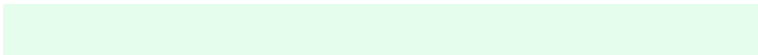
Harmonies

Analogous

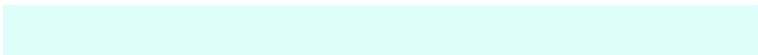
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.7841, 93.0230, 86.9626



82.7244, 93.0230, 93.7160



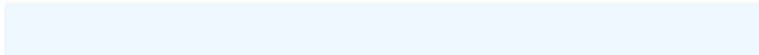
82.1741, 93.0230, 102.8992

Triad

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



82.7244, 93.0230, 93.7160



88.9770, 93.0230, 120.7253



93.7781, 93.0230, 91.1020

Complementary

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



82.7244, 93.0230, 93.7160



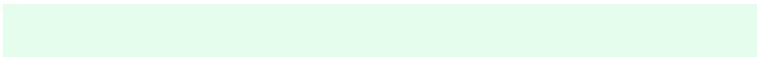
85.0121, 83.5161, 98.0300

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.



94.9654, 93.0230, 99.6902



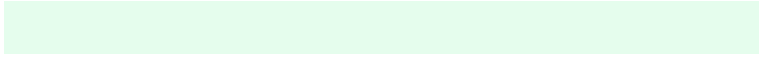
82.7244, 93.0230, 93.7160



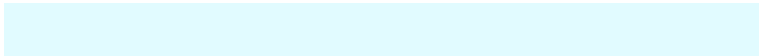
92.1493, 93.0230, 117.1021

Square

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



82.7244, 93.0230, 93.7160



85.7312, 93.0230, 118.8784



94.3620, 93.0230, 109.2535



91.1554, 93.0230, 85.5213

Rectangle

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



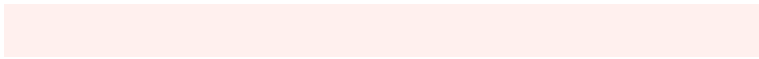
82.7244, 93.0230, 93.7160



82.7250, 93.0230, 109.2578



94.3620, 93.0230, 109.2535



94.3613, 93.0230, 93.7121

Sweetspot

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



82.7270, 93.0270, 93.7180



91.4809, 98.2537, 104.5033



87.0676, 95.3967, 87.9543



19.3813, 20.9328, 22.1208



0.0000, 0.0000, 0.0000



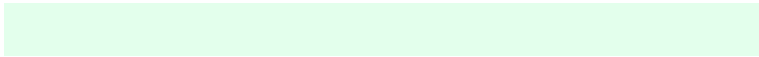
20.3446, 21.4041, 23.3091

Same Dimension

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



82.7270, 93.0270, 93.7180



82.6066, 93.9163, 93.3585



84.4780, 93.7273, 102.9385



18.0213, 20.2680, 20.4149



19.6035, 37.7380, 11.0631



1.9570, 3.6937, 1.3314

Inverse Universe

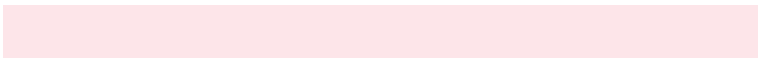
The Inverse Universe completely reimagines the original color for something new.



85.0121, 83.5161, 98.0300



85.2765, 82.8032, 98.3964



83.2953, 82.8294, 88.9900



18.5202, 18.1914, 21.3564



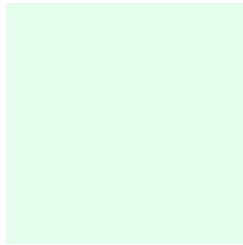
25.4127, 12.6544, 21.3558



2.5251, 1.2524, 2.3466

Previews

White Background



This preview shows how the XYZ color 82.7244, 93.0230, 93.7160 looks on a white background.

Color Contrast Check

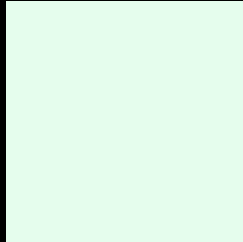
Large Text (above 18pt) WCAG AA × Fail

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 82.7244, 93.0230, 93.7160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

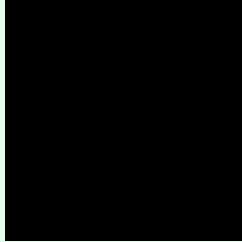
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

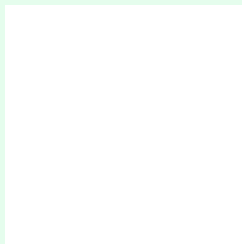
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.7244, 93.0230, 93.7160

Background



This preview shows how black text looks on a background with the XYZ color 82.7244, 93.0230, 93.7160.



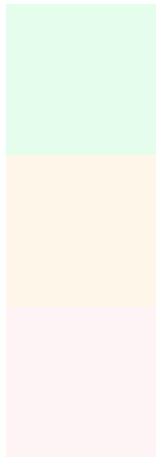
This preview shows how white text looks on a background with the XYZ color 82.7244, 93.0230,

93.7 60.

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

82.7244, 93.0230, 93.7160

Protanopia

88.5368, 92.8656, 90.3492

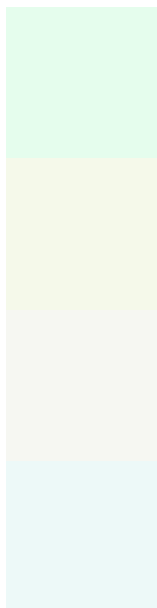
Deuteranopia

90.0721, 92.5539, 99.5036

Tritanopia

87.9287, 92.6188, 107.8506

Trichromacy



Original Color

82.7244, 93.0230, 93.7160

Protanomaly

86.3832, 93.1044, 91.2600

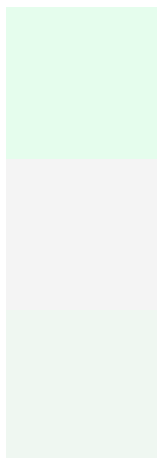
Deuteranomaly

87.2938, 92.5252, 97.2627

Tritanomaly

85.7440, 92.5332, 102.1484

Monochromacy



Original Color

82.7244, 93.0230, 93.7160

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

84.7346, 91.2231, 96.3609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.7244, 93.0230, 93.7160 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(229, 253, 237)` looks like.

```
.text, #text, p{  
    color:rgb(229, 253, 237)  
}
```

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(229, 253, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 253, 237) }
```

Border

The CSS property to change the border of an element to XYZ 82.7244, 93.0230, 93.7160 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(229, 253, 237) }
```


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

```
.border{ border-color:rgb(229, 253, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 253, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 253, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 253, 237);  
box-shadow:4px 4px 4px 4px rgb(229, 253,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 82.7244, 93.0230, 93.7160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 253, 237) }
```

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

```
.background{ background-color: rgb(229,  
253, 237) }
```

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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