Converting Colors

XYZ(82.0444, 93.7896, 85.9638)

Have a look what the booklet for XYZ(82.0444, 93.7896, 85.9638) contains.

Color

XYZ(82.1206, 93.8340, 85.7351)

Conversions

Conversions Part 1

Format	Color
Hex	E6FFE2
RGB	230, 255, 226
RGB Percent	90%, 100%, 89%
CMY	0.0980, 0.0000, 0.1137
CMYK	0.10, 0.00, 0.11, 0.00
HSL	112°, 100%, 94%
HSV	112°, 11%, 100%
XYZ	82.1206, 93.8340, 85.7351
YIQ	244.2190, -5.5910, -14.3190

Conversions

Conversions Part 2

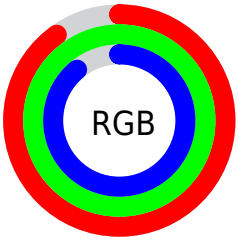
Format	Color
RYB	226, 255, 251
Decimal	15138786
CIELab	97.57, -13.28, 11.12
CIELCh	98, 17.323, 140.074
Yxy	93.8340, 0.3138, 0.3586
Android (android.graphics.Color)	4293328866 (0xFFE6FFE2)
YUV	244.2190, -8.9820, -12.4701
Hunter-Lab	96.8680, -18.1941, 15.3317

Details

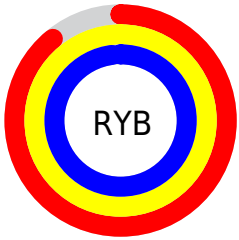
The XYZ color 82.1206, 93.8340, 85.7351 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 85.0308, 82.1232, 105.9775, and the grayscale version is 86.2367, 90.7277, 98.8025.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 45.0003, 52.3271, 46.2564 is the 20% darker color. If you saturate the color by 10%, you get 72.2617, 89.1262, 68.3462, and if you desaturate by 10%, it is 93.3911, 99.2093, 105.9093.

Distribution

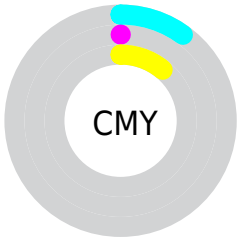


- Red (90%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (98%)

- Cyan (10%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)



- Cyan (10%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.1206, 93.8340, 85.7351 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 82.1206, 93.8340, 85.7351 by changing the saturation by 10% instead.

82.1206, 93.8340, 85.7351

82.1206, 93.8340, 85.7351

490.6794, 540.4254, 534.2652

61.7794, 71.1649, 63.8953

135.2781, 152.6527, 143.2830

45.1094, 52.4768, 46.1202

168.8250, 189.5712, 179.8283

31.7452, 37.3852, 31.9914

207.5046, 232.0082, 222.1124

21.3216, 25.5059, 21.0901

251.6822, 280.3481, 270.5539

13.4731, 16.4544, 12.9980

301.7231, 334.9754, 325.5714

7.8343, 9.8462, 7.2965

357.9927,

4.0400, 5.2971,

396.2745, 387.5835

420.8563, 464.6297, 457.0086

3.5670

1.7248, 2.4226, 1.3909

0.4717, 0.8375, 0.1346

82.1206, 93.8340, 85.7351

82.1206, 93.8340, 85.7351

72.2617, 89.1262, 68.3462

93.3911, 99.2093, 105.9093

63.7563, 85.0587, 53.6161

95.0500, 100.0000, 108.9000

56.5456, 81.6041, 41.4153

50.5654, 78.7322, 31.6012

45.7461, 76.4106, 24.0176

42.0108, 74.6035, 18.4894

39.2733, 73.2707, 14.8155

37.4335, 72.3660, 12.7542

36.4589, 71.8803, 11.9527

Harmonies

Analogous

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

85.9759, 93.8340, 78.7575

82.1206, 93.8340, 85.7351

80.1810, 93.8340, 97.5658

Triad

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

82.1206, 93.8340, 85.7351

87.5642, 93.8340, 131.2756

98.3785, 93.8340, 93.1417

Complementary

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

82.1206, 93.8340, 85.7351

85.0308, 82.1232, 105.9775

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.

98.8420, 93.8340, 106.9154

82.1206, 93.8340, 85.7351

92.4759, 93.8340, 129.8139

Square

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

82.1206, 93.8340, 85.7351

83.2465, 93.8340, 124.4072

96.6463, 93.8340, 120.5798

95.4023, 93.8340, 82.7531

Rectangle

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

82.1206, 93.8340, 85.7351

80.1850, 93.8340, 106.9862

96.6463, 93.8340, 120.5798

98.8375, 93.8340, 97.4991

Sweetspot

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

82.1213, 93.8343, 85.7365

91.4578, 98.2876, 102.4302

89.3558, 95.5272, 85.6820

19.3750, 20.9419, 21.5636

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.

82.1213, 93.8343, 85.7365

79.3956, 92.5334, 80.9012

82.2870, 93.7540, 93.2315

18.0045, 20.2882, 19.1114

19.1211, 37.5954, 6.2488

1.9294, 3.6954, 0.6116

Inverse Universe

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

85.0308, 82.1232, 105.9775

82.9115, 78.3778, 105.3663

84.8955, 82.2373, 97.6657

18.5318, 18.1659, 22.7796

24.9222, 11.7583, 50.3906

2.4915, 1.1784, 4.9094

Previews

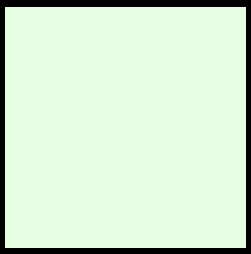
White Background

This preview shows how the XYZ color 82.1206, 93.8340, 85.7351 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



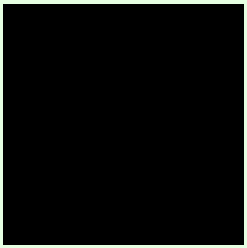
This preview shows how the XYZ color 82.1206, 93.8340, 85.7351 looks on a black background.

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 82.1206, 93.8340, 85.7351 Background



This preview shows how black text looks on a background with the XYZ color 82.1206, 93.8340, 85.7351.

This preview shows how white text looks on a background with the XYZ color 82.1206, 93.8340,

85.7351.

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
82.1206, 93.8340, 85.7351

Protanopia
88.7837, 93.4947, 88.2298

Deuteranopia
90.5249, 93.7032, 98.9033

Tritanopia
88.9256, 93.5879, 107.9851

Trichromacy

Original Color
82.1206, 93.8340, 85.7351

Protanomaly
86.3345, 93.6212, 87.6491

Deuteranomaly
87.1678, 93.4586, 93.5658

Tritanomaly
86.4229, 93.8767, 99.1530

Monochromacy

Original Color
82.1206, 93.8340, 85.7351

Achromatopsia
85.9880, 90.4661, 98.5176

Achromatomaly
84.4501, 91.6000, 93.3503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.1206, 93.8340, 85.7351 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(230, 255, 226) looks like.

```
.text, #text, p{
    color:rgb(230, 255, 226)
}
```

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(230, 255, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 226) }
```

Border

The CSS property to change the border of an element to XYZ 82.1206, 93.8340, 85.7351 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(230, 255, 226) }
```

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

```
.border{ border-color:rgb(230, 255, 226) }
```

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

Here you see how a box with a 4 pixel rgb(230, 255, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(230, 255, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(230, 255, 226); box-shadow:4px 4px 4px 4px rgb(230, 255, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 82.1206, 93.8340, 85.7351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(230, 255, 226) }
```

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

```
.background{ background-color:rgb(230,
255, 226) }
```

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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