

Converting Colors

XYZ(82.2213, 91.1362, 83.0709)

Have a look what the booklet for
XYZ(82.2213, 91.1362, 83.0709)
contains.

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Color

**XYZ(82.1200, 91.0836,
83.0647)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF9DF
RGB	237, 249, 223
RGB Percent	93%, 98%, 87%
CMY	0.0706, 0.0235, 0.1255
CMYK	0.05, 0.00, 0.10, 0.02
HSL	88°, 68%, 93%
HSV	88°, 10%, 98%
XYZ	82.1200, 91.0836, 83.0647
YIQ	242.4480, 1.1940, -10.6300

Conversions

Conversions Part 2

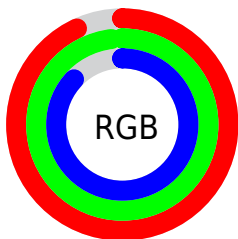
Format	Color
R _Y B	223, 249, 235
Decimal	15595999
CIE Lab	96.44, -8.46, 11.12
CIE LCh	96, 13.972, 127.240
Yxy	91.0836, 0.3204, 0.3554
Android (android.graphics.Color)	4293786079 (0xFFEDF9DF)
YUV	242.4480, -9.5879, -4.7779
Hunter-Lab	95.4377, -13.4246, 15.2031

Details

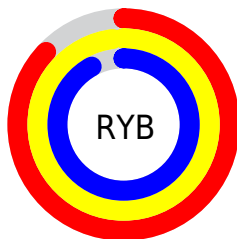
The XYZ color **82.1200, 91.0836, 83.0647** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **77.7511, 77.2795, 100.4459**, and the grayscale version is **84.8281, 89.2458, 97.1887**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1939, 50.7908, 44.4674** is the 20% darker color. If you saturate the color by 10%, you get **75.2915, 87.9259, 66.4904**, and if you desaturate by 10%, it is **89.6933, 94.5736, 102.2548**.

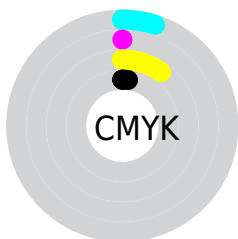
Distribution



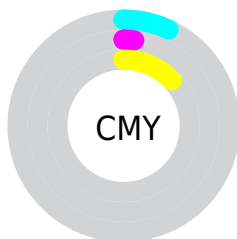
- Red (93%)
- Green (98%)
- Blue (87%)



- Red (87%)
- Yellow (98%)
- Blue (92%)



- Cyan (5%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)



- Cyan (7%)
- Magenta (2%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.1200, 91.0836, 83.0647 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 82.1200, 91.0836, 83.0647 by changing the saturation by 10% instead.

82.1200, 91.0836,
83.0647

82.1200, 91.0836,
83.0647

490.6774,
531.5495, 525.1788

61.7789, 68.8797,
61.7026

135.2772,
148.8427, 139.5161

45.1090, 50.6138,
44.3582

168.8240,
185.1666, 175.4425

31.7449, 35.9013,
30.6130

207.5035,
226.9661, 217.0608

21.3213, 24.3580,
20.0483

251.6809,
274.6254, 264.7894

13.4729, 15.5994,
12.2457

301.7216,
328.5290, 319.0470

7.8342, 9.2411,
6.7867

357.9911,

4.0400, 4.8988,

389.0613, 380.2521

3.2526

420.8545,
456.6067, 448.8231

■ 1.7248, 2.1880,
1.2250

■ 0.4717, 0.7134,
0.0000

■ 82.1200, 91.0836,
83.0647

■ 82.1200, 91.0836,
83.0647

■ 75.2915, 87.9259,
66.4904

■ 89.6933, 94.5736,
102.2548

■ 69.1744, 85.0777,
52.4128

■ 93.1675, 96.2350,
108.2725

■ 63.7434, 82.5312,
40.7122

■ 58.9686, 80.2741,
31.2567

■ 54.8177, 78.2927,
23.9020

■ 51.2548, 76.5721,
18.4863

■ 48.2395, 75.0956,
14.8248

■ 45.7242, 73.8434,
12.6964

■ 43.7175, 72.8277,
11.7530

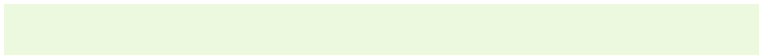
Harmonies

Analogous

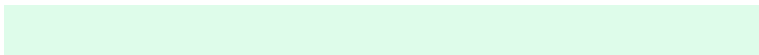
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.6321, 91.0836, 79.3876



82.1200, 91.0836, 83.0647



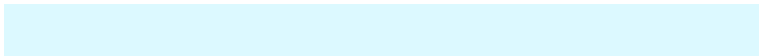
79.8501, 91.0836, 91.1081

Triad

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



82.1200, 91.0836, 83.0647



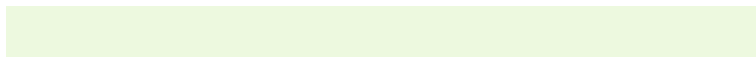
83.7078, 91.0836, 120.2905



94.2141, 91.0836, 96.4968

Complementary

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



82.1200, 91.0836, 83.0647



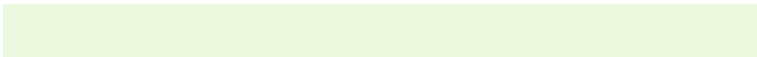
77.7511, 77.2795, 100.4459

Split Complementary

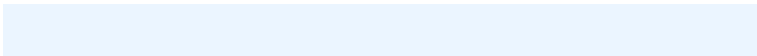
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.6615, 91.0836, 107.7036



82.1200, 91.0836, 83.0647



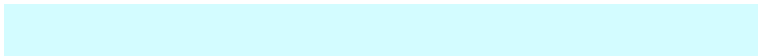
87.5192, 91.0836, 122.0031

Square

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



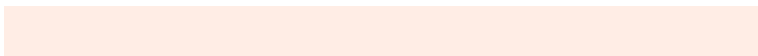
82.1200, 91.0836, 83.0647



80.7474, 91.0836, 112.7246



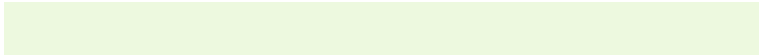
91.1825, 91.0836, 117.2433



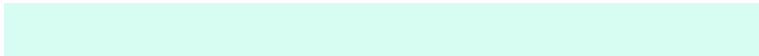
92.6706, 91.0836, 86.7563

Rectangle

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



82.1200, 91.0836, 83.0647



79.3071, 91.0836, 98.1455



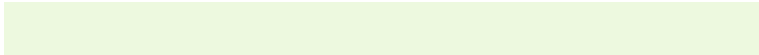
91.1825, 91.0836, 117.2433



94.2680, 91.0836, 100.2108

Sweetspot

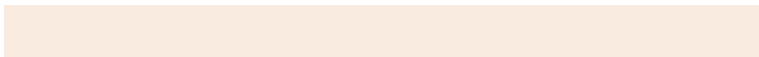
The Sweet Spot groups the original color and five complimentary colors.



82.1225, 91.0875, 83.0667



92.5552, 98.8534, 102.4816



82.0121, 84.7157, 81.8426



19.6705, 21.0942, 21.5774



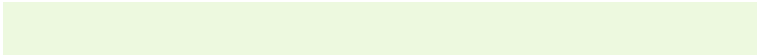
0.0000, 0.0000, 0.0000



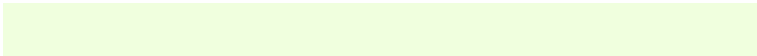
20.3446, 21.4041, 23.3091

Same Dimension

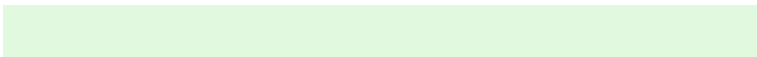
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.1225, 91.0875, 83.0667



84.7569, 95.2581, 82.9214



78.0312, 88.9784, 82.8752



17.9100, 19.7694, 18.3343



23.5660, 39.0670, 6.2986



2.3050, 3.6813, 0.5891

Inverse Universe

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



77.7511, 77.2795, 100.4459



79.1078, 77.4139, 105.3807



82.0951, 79.5190, 100.6492



17.0446, 17.0356, 21.7751



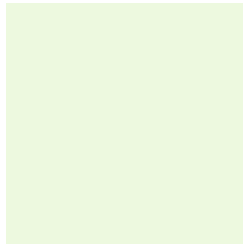
13.0938, 5.6928, 48.3822



1.3335, 0.5895, 4.4867

Previews

White Background



This preview shows how the XYZ color 82.1200, 91.0836, 83.0647 looks on a white background.

Color Contrast Check

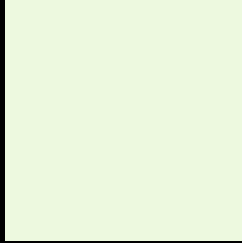
Large Text (above 18pt) WCAG AA × Fail

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 82.1200, 91.0836, 83.0647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

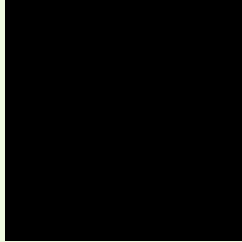
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

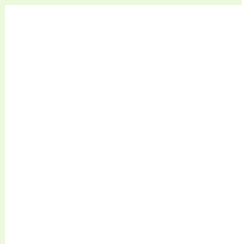
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.1200, 91.0836, 83.0647

Background



This preview shows how black text looks on a background with the XYZ color 82.1200, 91.0836, 83.0647.



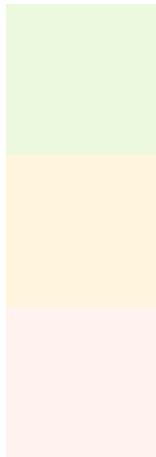
This preview shows how white text looks on a background with the XYZ color 82.1200, 91.0836,

83.0647.

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

82.1200, 91.0836, 83.0647

Protanopia

86.5090, 91.1287, 80.7402

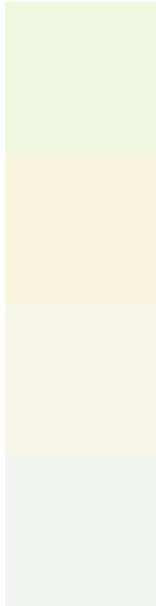
Deuteranopia

88.5721, 90.9963, 94.5571

Tritanopia

87.7089, 91.1545, 107.5796

Trichromacy



Original Color

82.1200, 91.0836, 83.0647

Protanomaly

84.7183, 91.0885, 81.5233

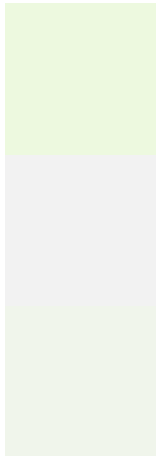
Deuteranomaly

86.0718, 91.1445, 90.1470

Tritanomaly

85.4091, 91.0834, 97.8733

Monochromacy



Original Color

82.1200, 91.0836, 83.0647

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

83.5830, 89.8282, 91.5306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.1200, 91.0836, 83.0647 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(237, 249, 223) looks like.

```
.text, #text, p{  
    color:rgb(237, 249, 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(237, 249, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 249, 223) }
```

Border

The CSS property to change the border of an element to XYZ 82.1200, 91.0836, 83.0647 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(237, 249, 223) }
```


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

```
.border{ border-color:rgb(237, 249, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 249, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 249, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 249, 223); box-shadow:4px 4px 4px 4px rgb(237, 249, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 82.1200, 91.0836, 83.0647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 249, 223) }
```

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

```
.background{ background-color: rgb(237,  
249, 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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