

Converting Colors

XYZ(82.7358, 94.2694, 80.4207)

Have a look what the booklet for
XYZ(82.7358, 94.2694, 80.4207)
contains.

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Color

**XYZ(82.6758, 94.2441,
80.1631)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFDA
RGB	235, 255, 218
RGB Percent	92%, 100%, 85%
CMY	0.0784, 0.0000, 0.1451
CMYK	0.08, 0.00, 0.15, 0.00
HSL	92°, 100%, 93%
HSV	92°, 15%, 100%
XYZ	82.6758, 94.2441, 80.1631
YIQ	244.8020, -0.0430, -15.7470

Conversions

Conversions Part 2

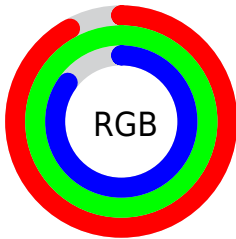
Format	Color
R _Y B	218, 255, 238
Decimal	15466458
CIE _{Lab}	97.73, -12.93, 15.49
CIE _{LCh}	98, 20.177, 129.837
Y _{xy}	94.2441, 0.3216, 0.3666
Android (android.graphics.Color)	4293656538 (0xFFEBFFDA)
YUV	244.8020, -13.2134, -8.5964
Hunter-Lab	97.0794, -17.8729, 18.9970

Details

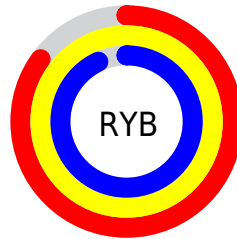
The XYZ color **82.6758, 94.2441, 80.1631** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **78.3821, 75.5412, 105.0575**, and the grayscale version is **86.7342, 91.2511, 99.3725**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3953, 52.6162, 42.4137** is the 20% darker color. If you saturate the color by 10%, you get **75.2152, 90.7543, 63.7144**, and if you desaturate by 10%, it is **91.0039, 98.1217, 99.3350**.

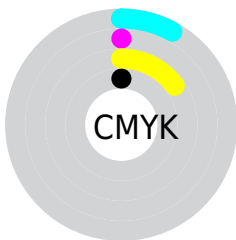
Distribution



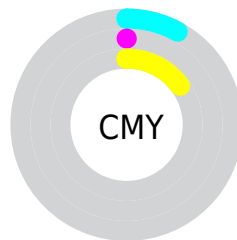
- Red (92%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (93%)



- Cyan (8%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.6758, 94.2441, 80.1631 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 82.6758, 94.2441, 80.1631 by changing the saturation by 10% instead.


 82.6758, 94.2441,
80.1631

 82.6758, 94.2441,
80.1631


492.5057,
541.7422, 515.2036

 62.2387, 71.5060,
59.3256

136.0522,
153.2199, 135.4085

 45.4820, 52.7552,
42.4536


169.7222,
190.2264, 170.6535

 32.0401, 37.6074,
29.1284


208.5340,
232.7577, 211.5380

 21.5478, 25.6781,
18.9316

252.8528,
281.1984, 258.4807

 13.6398, 16.5830,
11.4445

303.0440,
335.9328, 311.9001

 7.9506, 9.9376,
6.2487

359.4730,

 4.1149, 5.3576,

397.3453, 372.2147

2.9257

422.5051,
465.8203, 439.8430

■ 1.7673, 2.4586,
1.0568

■ 0.4979, 0.8558,
0.0000

■ 82.6758, 94.2441,
80.1631

■ 82.6758, 94.2441,
80.1631

■ 75.2152, 90.7543,
63.7144

■ 91.0039, 98.1217,
99.3350

■ 68.5887, 87.6380,
49.8610

95.0500, 100.0000,
108.9000

■ 62.7635, 84.8811,
38.4713

■ 57.7037, 82.4682,
29.4003

■ 53.3700, 80.3826,
22.4878

■ 49.7190, 78.6059,
17.5533

■ 46.7012, 77.1171,
14.3870

■ 44.2575, 75.8914,
12.7314

■ 43.1179, 75.3131,
12.2643

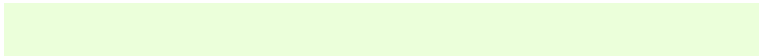
Harmonies

Analogous

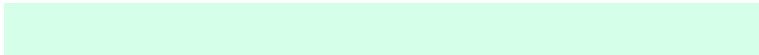
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6998, 94.2441, 74.4618



82.6758, 94.2441, 80.1631



79.5893, 94.2441, 92.0796

Triad

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



82.6758, 94.2441, 80.1631



85.8175, 94.2441, 135.3164



100.9223, 94.2441, 97.2985

Complementary

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



82.6758, 94.2441, 80.1631



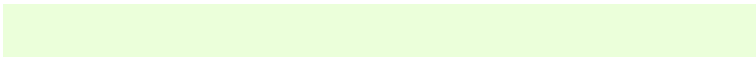
78.3821, 75.5412, 105.0575

Split Complementary

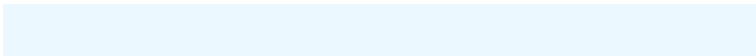
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.3654, 94.2441, 113.9266



82.6758, 94.2441, 80.1631



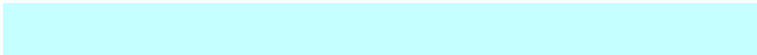
91.4792, 94.2441, 137.0986

Square

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



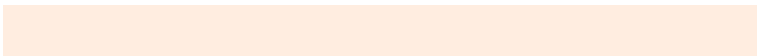
82.6758, 94.2441, 80.1631



81.3486, 94.2441, 124.2754



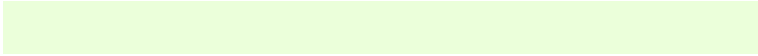
96.8502, 94.2441, 128.9123



98.3407, 94.2441, 83.6315

Rectangle

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



82.6758, 94.2441, 80.1631



78.9645, 94.2441, 102.5257



96.8502, 94.2441, 128.9123



101.0984, 94.2441, 102.7060

Sweetspot

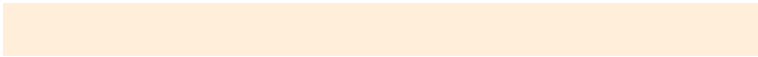
The Sweet Spot groups the original color and five complimentary colors.



82.6765, 94.2444, 80.1645



91.4515, 98.3296, 100.3857



84.3924, 87.3165, 78.7369



19.4330, 20.9809, 21.1549



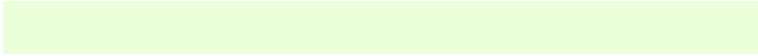
0.0000, 0.0000, 0.0000



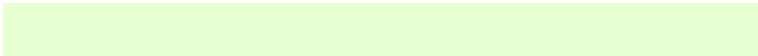
20.3446, 21.4041, 23.3091

Same Dimension

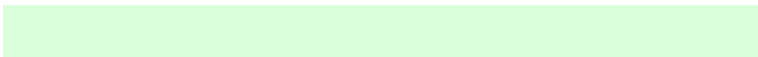
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6765, 94.2444, 80.1645



80.7380, 93.3393, 75.8171



77.4912, 91.5526, 80.7675



18.5646, 20.5770, 19.1376



22.6977, 39.4392, 6.4162



2.3343, 3.9041, 0.6305

Inverse Universe

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



78.3821, 75.5412, 105.0575



75.7943, 71.8084, 104.4734



84.1640, 78.5447, 104.2949



17.9411, 17.8614, 22.7519



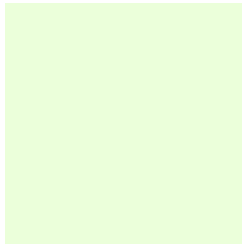
15.0685, 6.6786, 49.9295



1.5932, 0.7153, 4.8674

Previews

White Background



This preview shows how the XYZ color 82.6758, 94.2441, 80.1631 looks on a white background.

Color Contrast Check

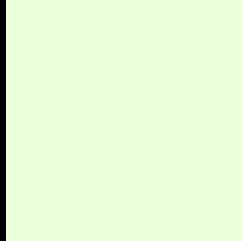
Large Text (above 18pt) WCAG AA × Fail

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 82.6758, 94.2441, 80.1631 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

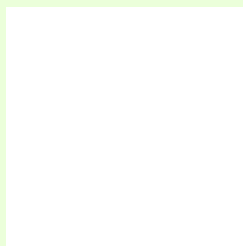
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.6758, 94.2441, 80.1631

Background



This preview shows how black text looks on a background with the XYZ color 82.6758, 94.2441, 80.1631.



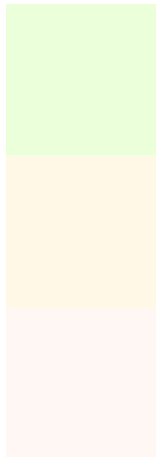
This preview shows how white text looks on a background with the XYZ color 82.6758, 94.2441,

80.1631.

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

82.6758, 94.2441, 80.1631

Protanopia

89.0903, 94.1080, 88.3320

Deuteranopia

90.6784, 94.2526, 98.2073

Tritanopia

89.6234, 93.9476, 108.0178

Trichromacy



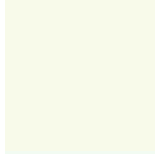
Original Color

82.6758, 94.2441, 80.1631



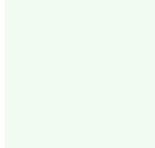
Protanomaly

86.9360, 94.4418, 85.5986



Deuteranomaly

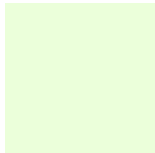
87.7483, 94.2682, 91.4127



Tritanomaly

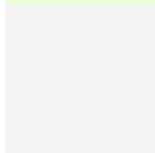
87.1421, 94.2824, 97.6098

Monochromacy



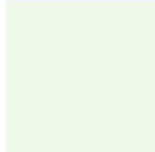
Original Color

82.6758, 94.2441, 80.1631



Achromatopsia

86.7900, 91.3099, 99.4364



Achromatomaly

85.1467, 92.4503, 91.9542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.6758, 94.2441, 80.1631 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(235, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 218)  
}
```

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(235, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 218) }
```

Border

The CSS property to change the border of an element to XYZ 82.6758, 94.2441, 80.1631 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(235, 255, 218) }
```


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

```
.border{ border-color:rgb(235, 255, 218) }
```

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

Here you see how a box with a 4 pixel rgb(235, 255, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 82.6758, 94.2441, 80.1631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 218) }
```

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

```
.background{ background-color: rgb(235,  
255, 218) }
```

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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