

# Converting Colors

XYZ(82.2888, 90.7745, 80.2020)

Have a look what the booklet for  
XYZ(82.2888, 90.7745, 80.2020)  
contains.

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# Color

**XYZ(82.2888, 90.7745,  
80.2020)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F8DB
RGB	240, 248, 219
RGB Percent	94%, 97%, 86%
CMY	0.0588, 0.0274, 0.1412
CMYK	0.03, 0.00, 0.12, 0.03
HSL	77°, 67%, 92%
HSV	77°, 12%, 97%
XYZ	82.2888, 90.7745, 80.2020
YIQ	242.3020, 4.5410, -10.7150

# Conversions

## Conversions Part 2

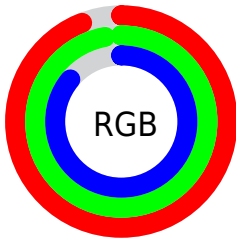
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 248, 227
Decimal	15792347
CIE Lab	96.32, -7.58, 13.03
CIE LCh	96, 15.073, 120.193
Yxy	90.7745, 0.3249, 0.3584
Android (android.graphics.Color)	4293982427 (0xFFFF0F8DB)
YUV	242.3020, -11.4879, -2.0189
Hunter-Lab	95.2757, -12.5634, 16.7833

# Details

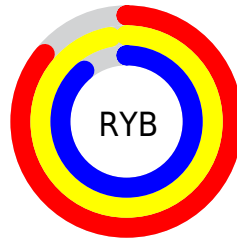
The XYZ color **82.2888, 90.7745, 80.2020** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **73.9568, 73.7737, 99.1535**, and the grayscale version is **84.7250, 89.1373, 97.0706**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3176, 50.5700, 42.4944** is the 20% darker color. If you saturate the color by 10%, you get **76.9849, 88.3925, 64.1615**, and if you desaturate by 10%, it is **88.1718, 93.4042, 98.8125**.

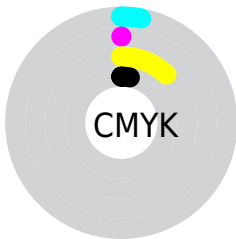
# Distribution



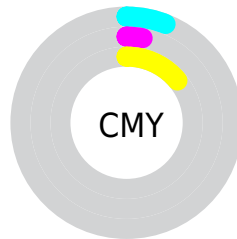
- Red (94%)
- Green (97%)
- Blue (86%)



- Red (86%)
- Yellow (97%)
- Blue (89%)



- Cyan (3%)
- Magenta (0%)
- Yellow (12%)
- Black (3%)



- Cyan (6%)
- Magenta (3%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.2888, 90.7745, 80.2020 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 82.2888, 90.7745, 80.2020 by changing the saturation by 10% instead.



82.2888, 90.7745,  
80.2020

82.2888, 90.7745,  
80.2020

491.2331,  
530.5471, 515.3380

61.9185, 68.6232,  
59.3574

135.5126,  
148.4137, 135.4637

45.2222, 50.4049,  
42.4790

169.0969,  
184.6705, 170.7178

31.8345, 35.7352,  
29.1482

207.8166,  
226.3978, 211.6123

21.3901, 24.2298,  
18.9464

252.0370,  
273.9801, 258.5656

13.5235, 15.5042,  
11.4551

302.1235,  
327.8018, 311.9963

7.8695, 9.1740,  
6.2558

358.4414,

4.0627, 4.8548,

388.2472, 372.3229

2.9300

421.3562,  
455.7009, 439.9640

■ 1.7376, 2.1623,  
1.0590

■ 0.4797, 0.6993,  
0.0000

■ 82.2888, 90.7745,  
80.2020

■ 82.2888, 90.7745,  
80.2020

■ 76.9849, 88.3925,  
64.1615

■ 88.1718, 93.4042,  
98.8125

■ 72.2304, 86.2373,  
50.5722

■ 92.3790, 95.3708,  
108.1473

■ 68.0036, 84.3032,  
39.3147

■ 92.8592, 95.6184,  
108.1697

■ 64.2787, 82.5795,  
30.2572

■ 61.0270, 81.0548,  
23.2549

■ 58.2168, 79.7162,  
18.1457

■ 55.8116, 78.5492,  
14.7429

■ 53.7677, 77.5359,  
12.8221

■ 52.2896, 76.7891,  
12.0658

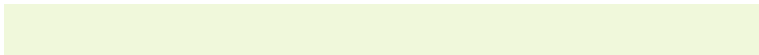
# Harmonies

## Analogous

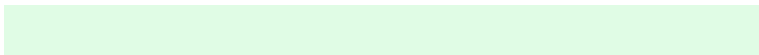
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2513, 90.7745, 77.5089



82.2888, 90.7745, 80.2020



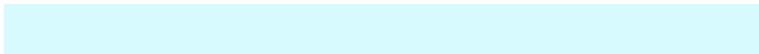
79.4732, 90.7745, 87.8041

# Triad

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



82.2888, 90.7745, 80.2020



82.3344, 90.7745, 120.2467



94.5904, 90.7745, 98.7602

# Complementary

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



82.2888, 90.7745, 80.2020



73.9568, 73.7737, 99.1535

# Split Complementary

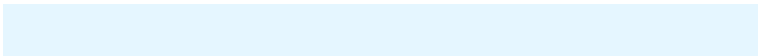
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.4615, 90.7745, 110.7595



82.2888, 90.7745, 80.2020



86.3056, 90.7745, 123.7597

# Square

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



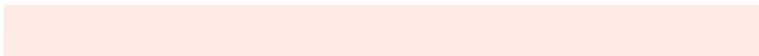
82.2888, 90.7745, 80.2020



79.4990, 90.7745, 110.9051



90.3950, 90.7745, 120.1580

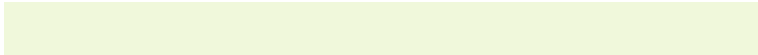


93.4328, 90.7745, 87.6796

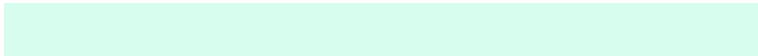


# Rectangle

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



82.2888, 90.7745, 80.2020



78.5788, 90.7745, 94.9590



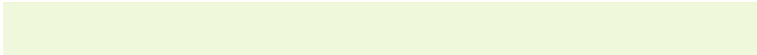
90.3950, 90.7745, 120.1580



94.4653, 90.7745, 102.8213

# Sweetspot

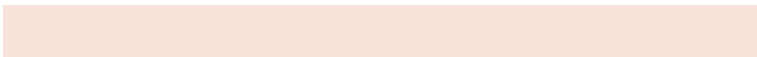
The Sweet Spot groups the original color and five complimentary colors.



82.2913, 90.7785, 80.2040



92.4228, 98.8304, 100.4312



78.8969, 79.8661, 78.2766



19.6790, 21.1077, 21.1664



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

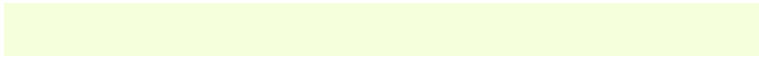


# Same Dimension

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



82.2913, 90.7785, 80.2040



86.2934, 96.0893, 81.2240



77.6474, 88.3845, 79.9866



18.2330, 19.9359, 18.3494



28.3879, 41.5528, 6.5243



2.7315, 3.9012, 0.6090



# Inverse Universe

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



73.9568, 73.7737, 99.1535



75.8216, 74.7228, 105.0345



78.6332, 76.1845, 99.3723



16.7326, 16.8748, 21.7605



10.5729, 4.3932, 48.2643

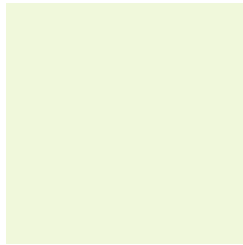


1.0769, 0.4572, 4.4747



# Previews

## White Background



This preview shows how the XYZ color 82.2888, 90.7745, 80.2020 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

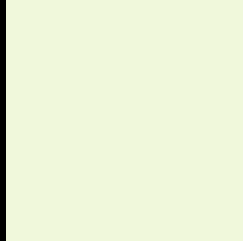
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.2888, 90.7745, 80.2020 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

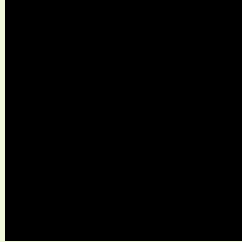
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

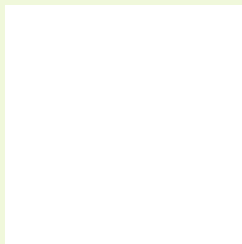
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.2888, 90.7745, 80.2020

## Background



This preview shows how black text looks on a background with the XYZ color 82.2888, 90.7745, 80.2020.



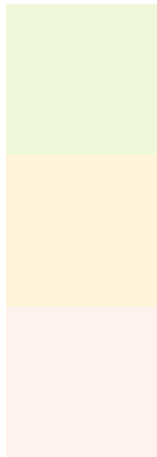
This preview shows how white text looks on a background with the XYZ color 82.2888, 90.7745,



# 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

82.2888, 90.7745, 80.2020

### Protanopia

85.8150, 90.3709, 78.5660

### Deuteranopia

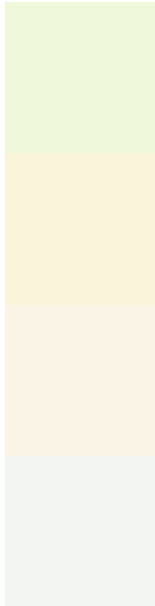
88.2782, 90.8787, 93.0093



## Tritanopia

87.7568, 90.7337, 107.4958

# Trichromacy



## Original Color

82.2888, 90.7745, 80.2020

## Protanomaly

84.7316, 90.6908, 79.3689

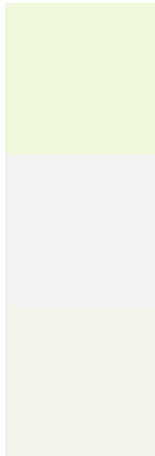
## Deuteranomaly

86.0580, 90.7385, 87.8415

## Tritanomaly

85.6416, 90.7703, 97.0110

# Monochromacy



## Original Color

82.2888, 90.7745, 80.2020

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.4776, 89.3427, 90.6870

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.2888, 90.7745, 80.2020 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(240, 248, 219) looks like.

```
.text, #text, p{  
    color:rgb(240, 248, 219)  
}
```

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(240, 248, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 248, 219) }
```

## Border

The CSS property to change the border of an element to XYZ 82.2888, 90.7745, 80.2020 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(240, 248, 219) }
```



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

```
.border{ border-color:rgb(240, 248, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 248, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 248, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 248, 219);  
box-shadow:4px 4px 4px 4px rgb(240, 248,  
219) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.2888, 90.7745, 80.2020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 248, 219) }
```

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

```
.background{ background-color: rgb(240,  
248, 219) }
```

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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