

# Converting Colors

XYZ(87.0113, 96.4322, 82.4892)

Have a look what the booklet for  
XYZ(87.0113, 96.4322, 82.4892)  
contains.

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# Color

**XYZ(87.1689, 96.5146,  
82.4415)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7FFDD
RGB	247, 255, 221
RGB Percent	97%, 100%, 87%
CMY	0.0314, 0.0000, 0.1333
CMYK	0.03, 0.00, 0.13, 0.00
HSL	74°, 100%, 93%
HSV	74°, 13%, 100%
XYZ	87.1689, 96.5146, 82.4415
YIQ	248.7320, 6.1460, -12.2700

# Conversions

## Conversions Part 2

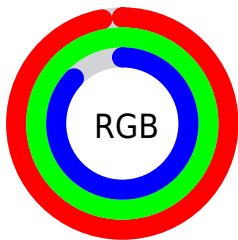
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	221, 255, 229
Decimal	16252893
CIE Lab	98.64, -8.34, 15.36
CIE LCh	99, 17.477, 118.490
Yxy	96.5146, 0.3275, 0.3627
Android (android.graphics.Color)	4294442973 (0xFFFF7FFDD)
YUV	248.7320, -13.6719, -1.5190
Hunter-Lab	98.2418, -13.5422, 19.0150

# Details

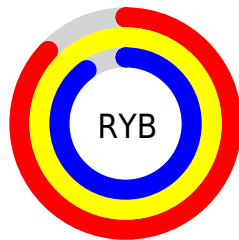
The XYZ color **87.1689, 96.5146, 82.4415** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **76.2204, 75.5921, 105.1812**, and the grayscale version is **89.9269, 94.6101, 103.0304**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5629, 54.2177, 43.9819** is the 20% darker color. If you saturate the color by 10%, you get **81.9433, 94.1839, 65.7883**, and if you desaturate by 10%, it is **92.9800, 99.0875, 101.8185**.

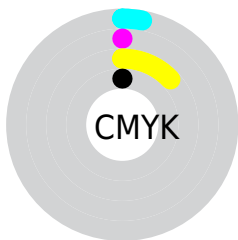
# Distribution



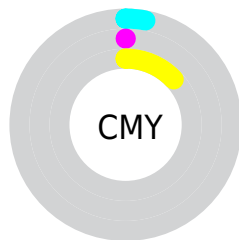
- Red (97%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (90%)



- Cyan (3%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (3%)
- Magenta (0%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.1689, 96.5146, 82.4415 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 87.1689, 96.5146, 82.4415 by changing the saturation by 10% instead.



87.1689, 96.5146,  
82.4415

87.1689, 96.5146,  
82.4415

507.1539,  
549.0025, 523.0455

65.9635, 73.3962,  
61.1916

142.2980,  
156.3554, 138.6352

48.5104, 54.3000,  
43.9482

176.9524,  
193.8467, 174.4161

34.4442, 38.8416,  
30.2929

216.8205,  
236.8977, 215.8776

23.3995, 26.6365,  
19.8071

262.2676,  
285.8928, 263.4385

15.0111, 17.3004,  
12.0722

313.6592,  
341.2164, 317.5172

8.9135, 10.4489,  
6.6697

371.3605,

4.7415, 5.6976,

403.2530, 378.5322

3.1811

435.7370,  
472.3869, 446.9021

■ 2.1296, 2.6621,  
1.1879

■ 0.7052, 0.9580,  
0.0000

■ 87.1689, 96.5146,  
82.4415

■ 87.1689, 96.5146,  
82.4415

■ 81.9433, 94.1839,  
65.7883

■ 92.9800, 99.0875,  
101.8185

■ 77.2775, 92.0848,  
51.7324

95.0500, 100.0000,  
108.9000

■ 73.1463, 90.2074,  
40.1437

■ 69.5221, 88.5404,  
30.8792

■ 66.3743, 87.0714,  
23.7811

■ 63.6684, 85.7868,  
18.6720

■ 61.3649, 84.6705,  
15.3467

■ 59.4155, 83.7032,  
13.5552

■ 58.2667, 83.1227,  
12.9733

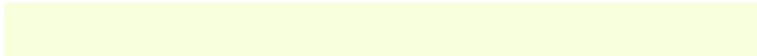
# Harmonies

## Analogous

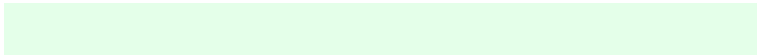
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9909, 96.5146, 79.6111



87.1689, 96.5146, 82.4415



83.6832, 96.5146, 91.1811

# Triad

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



87.1689, 96.5146, 82.4415



86.7403, 96.5146, 130.6917



101.8129, 96.5146, 105.8241

# Complementary

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



87.1689, 96.5146, 82.4415



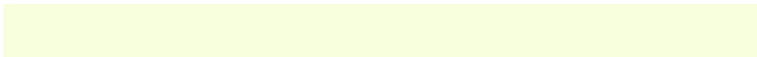
76.2204, 75.5921, 105.1812

# Split Complementary

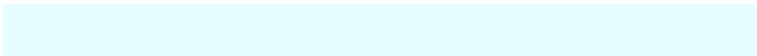
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.2857, 96.5146, 120.3415



87.1689, 96.5146, 82.4415



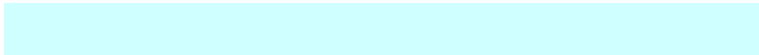
91.4780, 96.5146, 135.4916

# Square

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



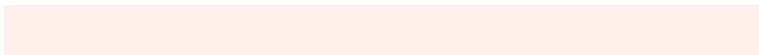
87.1689, 96.5146, 82.4415



83.4423, 96.5146, 118.9547



96.4562, 96.5146, 131.5428

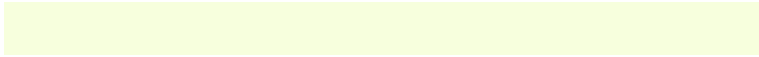


100.5581, 96.5146, 92.3431

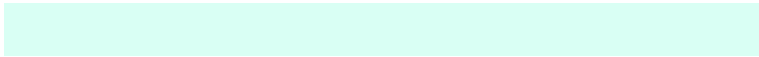


# Rectangle

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



87.1689, 96.5146, 82.4415



82.5228, 96.5146, 99.6232



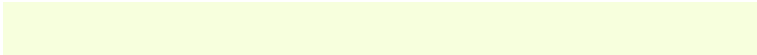
96.4562, 96.5146, 131.5428



101.6069, 96.5146, 110.7491

# Sweetspot

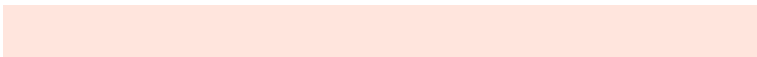
The Sweet Spot groups the original color and five complimentary colors.



87.1695, 96.5149, 82.4429



92.5735, 98.9080, 100.4382



82.2927, 82.4832, 79.9916



19.7172, 21.1274, 21.1682



0.0000, 0.0000, 0.0000

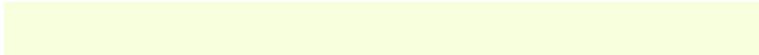


20.3446, 21.4041, 23.3091

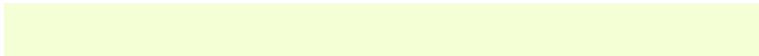


# Same Dimension

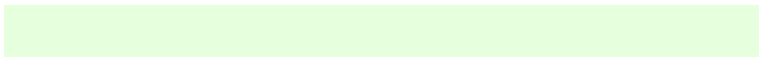
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1695, 96.5149, 82.4429



85.7193, 95.8699, 77.7392



81.4664, 93.5748, 82.1760



19.1189, 20.8627, 19.1636



30.5845, 43.5050, 6.7853



3.0740, 4.2855, 0.6652



# Inverse Universe

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



76.2204, 75.5921, 105.1812



72.8255, 71.2297, 104.5181



81.8898, 78.5148, 105.4466



17.4030, 17.5840, 22.7268



10.5136, 4.3304, 49.7163

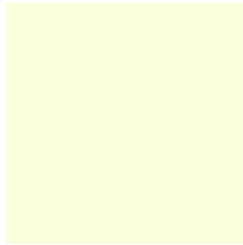


1.1153, 0.4689, 4.8450



# Previews

## White Background



This preview shows how the XYZ color 87.1689, 96.5146, 82.4415 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

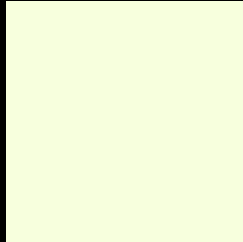
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.1689, 96.5146, 82.4415 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 87.1689, 96.5146, 82.4415

## Background



This preview shows how black text looks on a background with the XYZ color 87.1689, 96.5146, 82.4415.



This preview shows how white text looks on a background with the XYZ color 87.1689, 96.5146,

82.4415.

# 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

87.1689, 96.5146, 82.4415



### Protanopia

91.6144, 96.6052, 97.0372

### Deuteranopia

92.3689, 96.4085, 102.5473

## **Tritanopia**

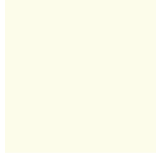
92.3805, 96.2867, 108.3240

# Trichromacy



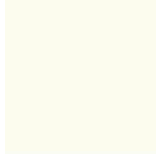
## Original Color

87.1689, 96.5146, 82.4415



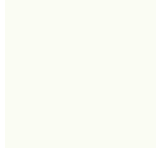
## Protanomaly

89.8066, 96.2568, 91.6880



## Deuteranomaly

90.3879, 96.4893, 94.7493



## Tritanomaly

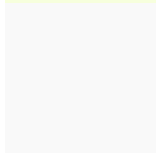
90.4124, 96.4159, 98.6389

# Monochromacy



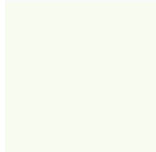
## Original Color

87.1689, 96.5146, 82.4415



## Achromatopsia

90.0415, 94.7307, 103.1617



## Achromatomaly

88.7886, 95.1828, 95.3538

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.1689, 96.5146, 82.4415 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(247, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 221)  
}
```

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(247, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 87.1689, 96.5146, 82.4415 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(247, 255, 221) }
```



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

```
.border{ border-color:rgb(247, 255, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.1689, 96.5146, 82.4415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 221) }
```

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

```
.background{ background-color: rgb(247,  
255, 221) }
```

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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