

# Converting Colors

XYZ(79.7648, 89.7621, 68.6848)

Have a look what the booklet for  
XYZ(79.7648, 89.7621, 68.6848)  
contains.

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# Color

**XYZ(79.7066, 89.7026,  
68.3717)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EFF8C9
RGB	239, 248, 201
RGB Percent	94%, 97%, 79%
CMY	0.0627, 0.0274, 0.2118
CMYK	0.04, 0.00, 0.19, 0.03
HSL	71°, 77%, 88%
HSV	71°, 19%, 97%
XYZ	79.7066, 89.7026, 68.3717
YIQ	239.9510, 9.7230, -16.5250

# Conversions

## Conversions Part 2

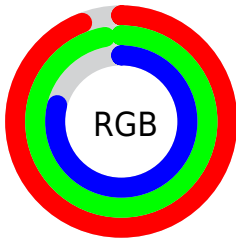
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 248, 210
Decimal	15726793
CIE Lab	95.87, -10.70, 21.62
CIE LCh	96, 24.125, 116.342
Yxy	89.7026, 0.3352, 0.3772
Android (android.graphics.Color)	4293916873 (0xFFEFF8C9)
YUV	239.9510, -19.2028, -0.8340
Hunter-Lab	94.7115, -15.5243, 23.4969

# Details

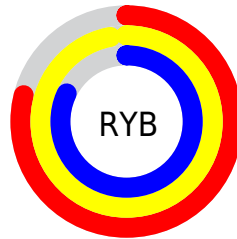
The XYZ color **79.7066, 89.7026, 68.3717** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.4119, 62.2547, 97.4334**, and the grayscale version is **82.9284, 87.2471, 95.0121**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6445, 49.8731, 34.9299** is the 20% darker color. If you saturate the color by 10%, you get **75.4392, 87.8158, 54.1530**, and if you desaturate by 10%, it is **84.4920, 91.8075, 85.0771**.

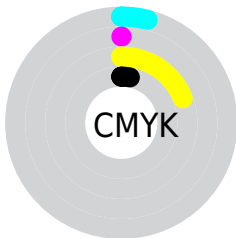
# Distribution



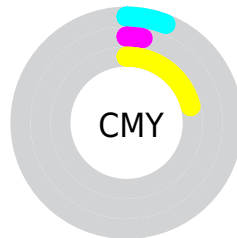
- Red (94%)
- Green (97%)
- Blue (79%)



- Red (79%)
- Yellow (97%)
- Blue (82%)



- Cyan (4%)
- Magenta (0%)
- Yellow (19%)
- Black (3%)




- Cyan (6%)
- Magenta (3%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7066, 89.7026, 68.3717 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 79.7066, 89.7026, 68.3717 by changing the saturation by 10% instead.




 79.7066, 89.7026,  
68.3717

 79.7066, 89.7026,  
68.3717


482.6951,  
527.0629, 473.4456

 59.7846, 67.7340,  
49.7316


131.9058,  
146.9252, 118.5430

 43.4938, 49.6814,  
34.8305


164.9138,  
182.9480, 150.9112

 30.4690, 35.1603,  
23.2498


203.0144,  
224.4244, 188.6926

 20.3447, 23.7864,  
14.5711

246.5730,  
271.7387, 232.3057

 12.7555, 15.1752,  
8.3756

295.9551,  
325.2753, 282.1690

 7.3363, 8.9425,  
4.2450


351.5259,


 3.7215, 4.7037,


385.4186, 338.7011


1.7607


413.6508,  
452.5530, 402.3204


 1.5458, 2.0745,  
0.4018


 0.3567, 0.6502,  
0.0000


 79.7066, 89.7026,  
68.3717


 79.7066, 89.7026,  
68.3717


 75.4392, 87.8158,  
54.1530


 84.4920, 91.8075,  
85.0771


 71.6599, 86.1260,  
42.2962

 89.8096, 94.1273,  
104.3742

 68.3462, 84.6272,  
32.6748

 92.2203, 95.2892,  
108.1399

 65.4712, 83.3087,  
25.1478

 92.8593, 95.6186,  
108.1698

■ 63.0045, 82.1583,  
19.5584

■ 60.9121, 81.1622,  
15.7278

■ 59.1532, 80.3042,  
13.4438

■ 57.6678, 79.5601,  
12.3918

■ 57.5200, 79.4856,  
12.3106

# Harmonies

## Analogous

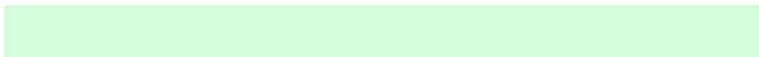
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0787, 89.7026, 65.4724



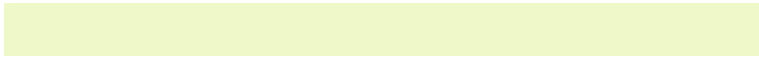
79.7066, 89.7026, 68.3717



75.0457, 89.7026, 78.7345

# Triad

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



79.7066, 89.7026, 68.3717



78.3621, 89.7026, 131.4614



98.6783, 89.7026, 100.0279

# Complementary

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



79.7066, 89.7026, 68.3717



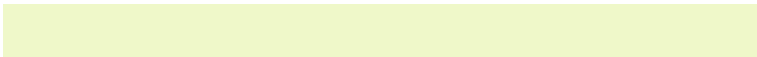
64.4119, 62.2547, 97.4334

# Split Complementary

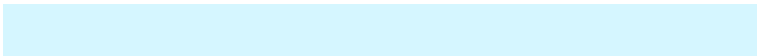
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.3607, 89.7026, 119.4233



79.7066, 89.7026, 68.3717



84.4458, 89.7026, 138.9996

# Square

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



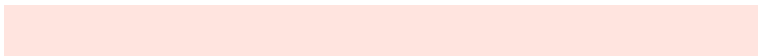
79.7066, 89.7026, 68.3717



74.2983, 89.7026, 114.8519



91.0648, 89.7026, 134.3326



97.2493, 89.7026, 82.2949

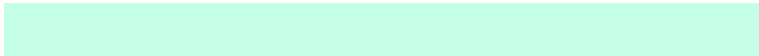


# Rectangle

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



79.7066, 89.7026, 68.3717



73.4197, 89.7026, 89.2702



91.0648, 89.7026, 134.3326



98.3086, 89.7026, 106.5827

# Sweetspot

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



79.7090, 89.7065, 68.3736



91.6134, 98.5017, 96.3888



72.2092, 70.0802, 64.9806



19.5317, 21.0496, 20.3528



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

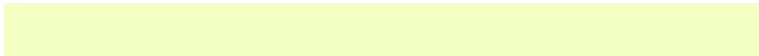


# Same Dimension

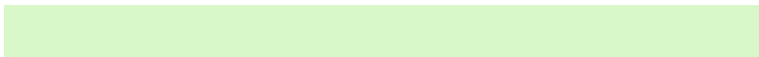
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7090, 89.7065, 68.3736



82.9898, 94.7123, 66.3409



72.3976, 85.9374, 68.0315



18.3823, 20.0129, 18.3564



31.1847, 42.9946, 6.6552



2.9691, 4.0237, 0.6202



# Inverse Universe

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



64.4119, 62.2547, 97.4334



63.7653, 60.2080, 102.8683



71.4753, 65.8961, 97.7640



16.5934, 16.8030, 21.7540



9.8857, 4.0389, 48.2321

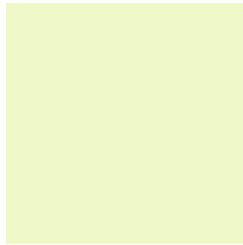


0.9955, 0.4153, 4.4709



# Previews

## White Background



This preview shows how the XYZ color 79.7066, 89.7026, 68.3717 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

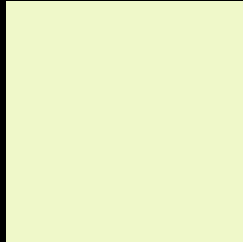
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.7066, 89.7026, 68.3717 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

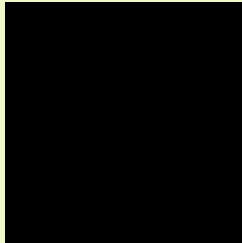
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

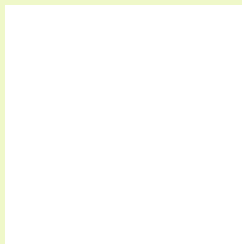
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 79.7066, 89.7026, 68.3717**

## **Background**



This preview shows how black text looks on a background with the XYZ color 79.7066, 89.7026, 68.3717.



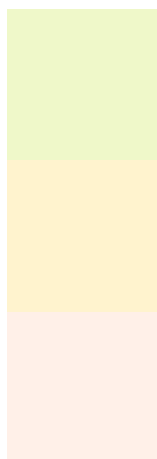
This preview shows how white text looks on a background with the XYZ color 79.7066, 89.7026,



# 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

79.7066, 89.7026, 68.3717

### Protanopia

84.4312, 89.8174, 71.2790

### Deuteranopia

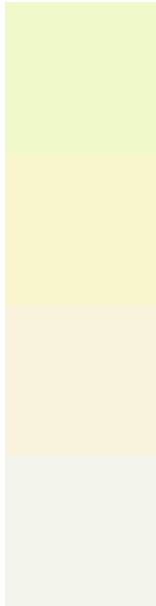
86.9656, 89.4064, 89.0175



## Tritanopia

87.5113, 89.7234, 107.3138

# Trichromacy



## Original Color

79.7066, 89.7026, 68.3717

## Protanomaly

82.6184, 89.8042, 70.1062

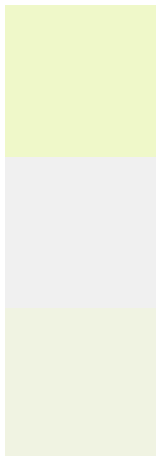
## Deuteranomaly

84.1687, 89.4614, 81.2382

## Tritanomaly

84.3082, 89.7542, 91.4780

# Monochromacy



## Original Color

79.7066, 89.7026, 68.3717

## Achromatopsia

82.8234, 87.1367, 94.8919

## Achromatomaly

81.7132, 88.1174, 84.6531

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.7066, 89.7026, 68.3717 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(239, 248, 201)` looks like.

```
.text, #text, p{  
    color:rgb(239, 248, 201)  
}
```

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(239, 248, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 248, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 79.7066, 89.7026, 68.3717 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(239, 248, 201) }
```



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

```
.border{ border-color:rgb(239, 248, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 248, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 248, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 248, 201);  
box-shadow:4px 4px 4px 4px rgb(239, 248,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.7066, 89.7026, 68.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 248, 201) }
```

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

```
.background{ background-color: rgb(239,  
248, 201) }
```

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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