

# Converting Colors

XYZ(85.3289, 95.8497, 69.5412)

Have a look what the booklet for  
XYZ(85.3289, 95.8497, 69.5412)  
contains.

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# Color

**XYZ(85.3695, 95.8768,  
69.2650)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9FFC9
RGB	249, 255, 201
RGB Percent	98%, 100%, 79%
CMY	0.0235, 0.0000, 0.2118
CMYK	0.02, 0.00, 0.21, 0.00
HSL	67°, 100%, 89%
HSV	67°, 21%, 100%
XYZ	85.3695, 95.8768, 69.2650
YIQ	247.0500, 13.7580, -18.0660

# Conversions

## Conversions Part 2

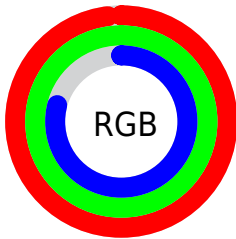
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 255, 207
Decimal	16383945
CIE Lab	98.38, -10.61, 25.20
CIE LCh	98, 27.348, 112.832
Yxy	95.8768, 0.3408, 0.3827
Android (android.graphics.Color)	4294574025 (0xFFF9FFC9)
YUV	247.0500, -22.7027, 1.7101
Hunter-Lab	97.9167, -15.7275, 26.6007

# Details

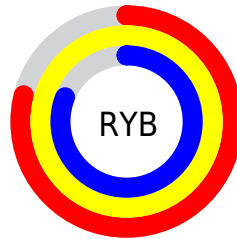
The XYZ color **85.3695, 95.8768, 69.2650** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **64.6698, 62.2600, 103.2167**, and the grayscale version is **88.6188, 93.2339, 101.5317**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1988, 53.7012, 35.4815** is the 20% darker color. If you saturate the color by 10%, you get **81.6120, 94.2580, 54.7088**, and if you desaturate by 10%, it is **89.6412, 97.7030, 86.4474**.

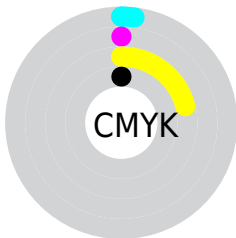
# Distribution



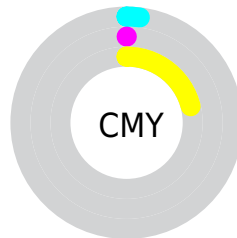
- Red (98%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (81%)



- Cyan (2%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 85.3695, 95.8768, 69.2650 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 85.3695, 95.8768, 69.2650 by changing the saturation by 10% instead.




 85.3695, 95.8768,  
69.2650

 85.3695, 95.8768,  
69.2650

501.3152,  
546.9682, 476.6843

 64.4703, 72.8650,  
50.4545


139.8007,  
155.4754, 119.8313

 47.2948, 53.8655,  
35.4009


174.0633,  
192.8309, 152.4241

 33.4777, 38.4942,  
23.6859


213.5111,  
235.7364, 190.4480

 22.6536, 26.3665,  
14.8907

258.5095,  
284.5764, 234.3217

 14.4572, 17.0980,  
8.5969

309.4237,  
339.7351, 284.4636

 8.5232, 10.3044,  
4.3860

366.6191,

 4.4861, 5.6012,

401.5971, 341.2923

1.8394

430.4612,  
470.5466, 405.2264

■ 1.9806, 2.6042,  
0.4538

■ 0.6231, 0.9288,  
0.0000

■ 85.3695, 95.8768,  
69.2650

■ 85.3695, 95.8768,  
69.2650

■ 81.6120, 94.2580,  
54.7088

■ 89.6412, 97.7030,  
86.4474

■ 78.3427, 92.8362,  
42.6452

■ 94.4486, 99.7453,  
106.3721

■ 75.5354, 91.6010,  
32.9354

■ 95.0500, 100.0000,  
108.9000

■ 73.1606, 90.5405,  
25.4250

■ 71.1856, 89.6417,  
19.9417

■ 69.5726, 88.8894,  
16.2871

■ 68.2764, 88.2655,  
14.2231

■ 67.3338, 87.7969,  
13.3976

# Harmonies

## Analogous

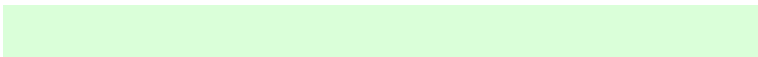
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.0332, 95.8768, 66.9605



85.3695, 95.8768, 69.2650



79.5704, 95.8768, 80.2927

# Triad

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



85.3695, 95.8768, 69.2650



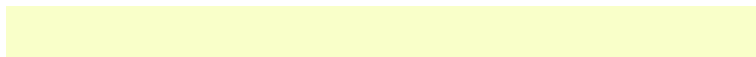
82.2702, 95.8768, 142.9661



107.0169, 95.8768, 109.9066

# Complementary

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



85.3695, 95.8768, 69.2650



64.6698, 62.2600, 103.2167

# 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.



103.7539, 95.8768, 132.8907



85.3695, 95.8768, 69.2650



89.2490, 95.8768, 153.6838

# Square

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



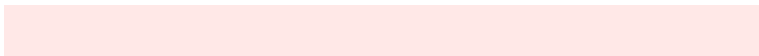
85.3695, 95.8768, 69.2650



77.8543, 95.8768, 122.1687



97.1398, 95.8768, 149.7532



105.8307, 95.8768, 88.4320

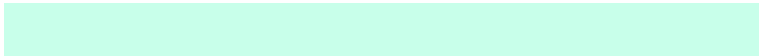


# Rectangle

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



85.3695, 95.8768, 69.2650



77.3938, 95.8768, 92.0922



97.1398, 95.8768, 149.7532



106.3980, 95.8768, 117.7443

# Sweetspot

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



85.3700, 95.8770, 69.2664



92.0610, 98.7325, 96.4097



73.9511, 69.8136, 64.8375



19.6378, 21.1043, 20.3578



0.0000, 0.0000, 0.0000

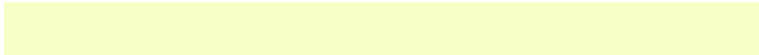


20.3446, 21.4041, 23.3091

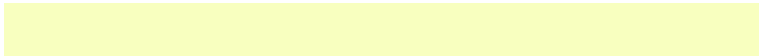


# Same Dimension

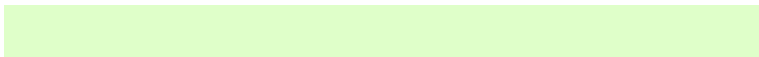
The Same Dimension uses a secret algorithm to generate beautiful new colors.



85.3700, 95.8770, 69.2664



83.8735, 95.2339, 63.3960



76.6116, 91.3619, 68.8565



19.3507, 20.9822, 19.1744



35.2631, 45.9169, 7.0043



3.4877, 4.4988, 0.6845



# Inverse Universe

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



64.6698, 62.2600, 103.2167



60.1120, 56.6418, 102.3725



72.6725, 66.3855, 103.5912



17.1903, 17.4743, 22.7168



9.7461, 3.9348, 49.6804



1.0070, 0.4130, 4.8399



# Previews

## White Background



This preview shows how the XYZ color 85.3695, 95.8768, 69.2650 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

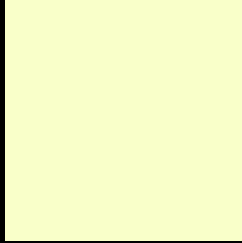
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 85.3695, 95.8768, 69.2650 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

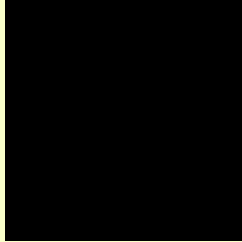
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 85.3695, 95.8768, 69.2650

## Background



This preview shows how black text looks on a background with the XYZ color 85.3695, 95.8768, 69.2650.



This preview shows how white text looks on a background with the XYZ color 85.3695, 95.8768,

69.2650.

# Color Blindness Simulation

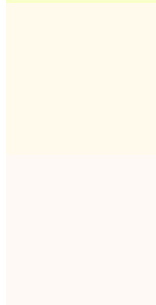
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

85.3695, 95.8768, 69.2650



### Protanopia

90.5659, 95.6873, 93.0530

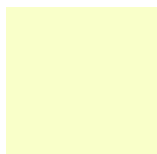
### Deuteranopia

91.7502, 95.6652, 100.8182

## Tritanopia

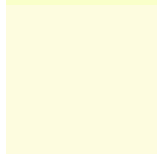
92.4337, 95.8540, 108.2376

# Trichromacy



## Original Color

85.3695, 95.8768, 69.2650



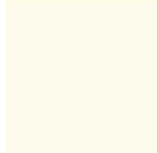
## Protanomaly

88.6377, 95.8312, 83.6376



## Deuteranomaly

89.2881, 95.5902, 88.6077



## Tritanomaly

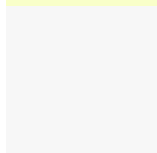
89.6375, 95.6880, 92.3425

# Monochromacy



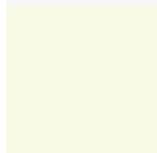
## Original Color

85.3695, 95.8768, 69.2650



## Achromatopsia

88.4070, 93.0111, 101.2891



## Achromatomaly

87.1799, 94.0408, 88.4197

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 85.3695, 95.8768, 69.2650 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(249, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 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(249, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 85.3695, 95.8768, 69.2650 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(249, 255, 201) }
```



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

```
.border{ border-color:rgb(249, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 85.3695, 95.8768, 69.2650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 201) }
```

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

```
.background{ background-color: rgb(249,  
255, 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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