

# Converting Colors

XYZ(87.9195, 96.6936, 91.8718)

Have a look what the booklet for  
XYZ(87.9195, 96.6936, 91.8718)  
contains.

<b>XYZ(87.9195, 96.6936, 91.8718)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(87.9195, 96.6936,  
91.8718)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4FFEA
RGB	244, 255, 234
RGB Percent	96%, 100%, 92%
CMY	0.0431, 0.0000, 0.0823
CMYK	0.04, 0.00, 0.08, 0.00
HSL	91°, 100%, 96%
HSV	91°, 8%, 100%
XYZ	87.9195, 96.6936, 91.8718
YIQ	249.3170, 0.1850, -8.8630

# Conversions

## Conversions Part 2

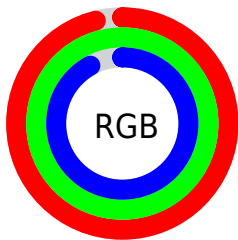
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	234, 255, 245
Decimal	16056298
CIE <sub>Lab</sub>	98.71, -7.25, 8.78
CIE <sub>LCh</sub>	99, 11.389, 129.550
Yxy	96.6936, 0.3180, 0.3497
Android (android.graphics.Color)	4294246378 (0xFFFF4FFEA)
YUV	249.3170, -7.5513, -4.6630
Hunter-Lab	98.3329, -12.4856, 13.4388

# Details

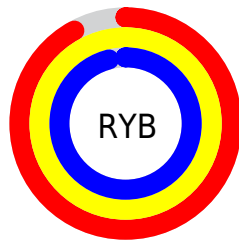
The XYZ color **87.9195, 96.6936, 91.8718** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.1298, 85.4793, 106.6201**, and the grayscale version is **90.3627, 95.0686, 103.5298**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9690, 54.2939, 50.0183** is the 20% darker color. If you saturate the color by 10%, you get **80.0474, 93.0287, 73.7362**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

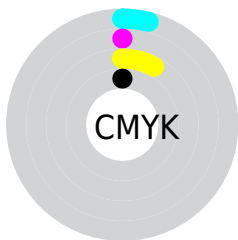
# Distribution



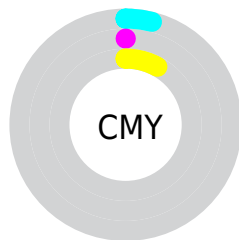
- Red (96%)
- Green (100%)
- Blue (92%)



- Red (92%)
- Yellow (100%)
- Blue (96%)



- Cyan (4%)
- Magenta (0%)
- Yellow (8%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 87.9195, 96.6936, 91.8718 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 87.9195, 96.6936, 91.8718 by changing the saturation by 10% instead.




 87.9195, 96.6936,  
91.8718

 87.9195, 96.6936,  
91.8718


509.5789,  
549.5728, 554.8276

 66.5870, 73.5454,  
68.9517


143.3382,  
156.6023, 151.8939

 49.0185, 54.4220,  
50.2009


178.1550,  
194.1316, 189.8329

 34.8488, 38.9392,  
35.2007


218.1974,  
237.2233, 233.6153

 23.7124, 26.7124,  
23.5328

263.8306,  
286.2619, 283.6597

 15.2440, 17.3573,  
14.7784

315.4200,  
341.6317, 340.3846

 9.0782, 10.4896,  
8.5191

373.3309,

 4.8498, 5.7248,

403.7172, 404.2085

4.3364

437.9288,  
472.9028, 475.5500

■ 2.1932, 2.6785,  
1.8116

■ 0.7392, 0.9663,  
0.4356

■ 87.9195, 96.6936,  
91.8718

■ 87.9195, 96.6936,  
91.8718

■ 80.0474, 93.0287,  
73.7362

95.0500, 100.0000,  
108.9000

■ 73.0084, 89.7348,  
58.2734

■ 66.7717, 86.7991,  
45.3581

■ 61.3040, 84.2073,  
34.8531

■ 56.5688, 81.9438,  
26.6082

■ 52.5264, 79.9918,  
20.4565

■ 49.1323, 78.3326,  
16.2080

■ 46.3351, 76.9446,  
13.6381

■ 44.0666, 75.7994,  
12.4375

# Harmonies

## Analogous

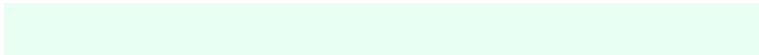
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8548, 96.6936, 88.3458



87.9195, 96.6936, 91.8718



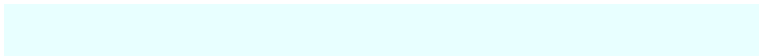
86.0813, 96.6936, 99.0549

# Triad

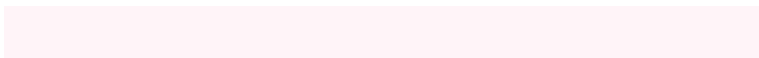
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9195, 96.6936, 91.8718



89.7032, 96.6936, 123.2610



98.3106, 96.6936, 102.2942

# Complementary

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



87.9195, 96.6936, 91.8718



85.1298, 85.4793, 106.6201

# 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.



97.9843, 96.6936, 111.7666



87.9195, 96.6936, 91.8718



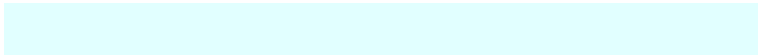
92.9620, 96.6936, 124.2571

# Square

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



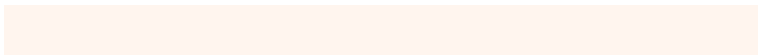
87.9195, 96.6936, 91.8718



87.0938, 96.6936, 117.2941



96.0079, 96.6936, 119.9395



96.8888, 96.6936, 94.1210



# Rectangle

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



87.9195, 96.6936, 91.8718



85.6988, 96.6936, 105.1400



96.0079, 96.6936, 119.9395



98.4024, 96.6936, 105.4259

# Sweetspot

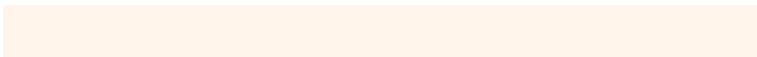
The Sweet Spot groups the original color and five complimentary colors.



87.9203, 96.6940, 91.8733



93.2637, 99.1727, 104.5870



88.6989, 92.4153, 91.0064



19.9810, 21.2357, 22.4311



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

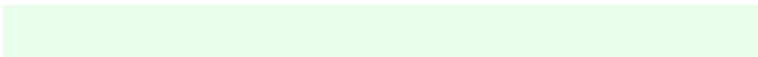
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9203, 96.6940, 91.8733



86.4684, 96.0193, 88.4715



84.5942, 94.9735, 91.9804



18.5944, 20.5924, 19.1390



23.0071, 39.5987, 6.4307



2.3653, 3.9201, 0.6320



# Inverse Universe

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



85.1298, 85.4793, 106.6201



83.1206, 82.5649, 106.1634



88.6571, 87.3042, 106.4913



17.9110, 17.8459, 22.7505



14.7065, 6.4920, 49.9125

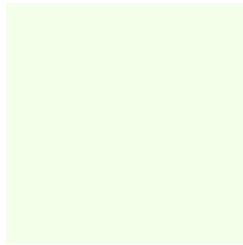


1.5581, 0.6972, 4.8657



# Previews

## White Background



This preview shows how the XYZ color 87.9195, 96.6936, 91.8718 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

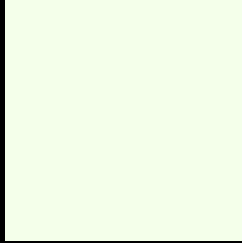
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 87.9195, 96.6936, 91.8718 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

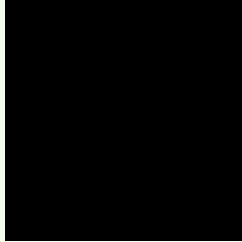
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

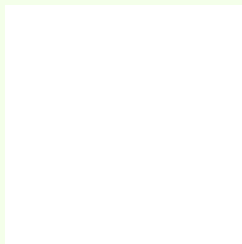
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 87.9195, 96.6936, 91.8718

## Background



This preview shows how black text looks on a background with the XYZ color 87.9195, 96.6936, 91.8718.



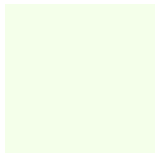
This preview shows how white text looks on a background with the XYZ color 87.9195, 96.6936,

91.818.

# 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

87.9195, 96.6936, 91.8718

### Protanopia

91.9148, 96.7254, 98.6195

### Deuteranopia

92.5245, 96.4708, 103.3667

## **Tritanopia**

92.3308, 96.7236, 108.4109

# Trichromacy



## Original Color

87.9195, 96.6936, 91.8718

## Protanomaly

90.3222, 96.4213, 96.2888

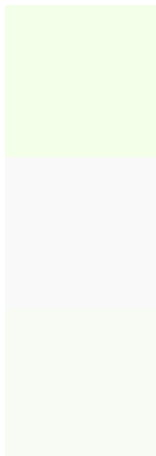
## Deuteranomaly

90.9232, 96.6617, 99.4534

## Tritanomaly

90.3103, 96.2927, 101.8222

# Monochromacy



## Original Color

87.9195, 96.6936, 91.8718

## Achromatopsia

90.0415, 94.7307, 103.1617

## Achromatomaly

89.1841, 95.3002, 99.2822

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 87.9195, 96.6936, 91.8718 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(244, 255, 234)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 234)  
}
```

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(244, 255, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 87.9195, 96.6936, 91.8718 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(244, 255, 234) }
```



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

```
.border{ border-color:rgb(244, 255, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 234);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 87.9195, 96.6936, 91.8718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 234) }
```

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

```
.background{ background-color: rgb(244,  
255, 234) }
```

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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