

# Converting Colors

XYZ(89.2420, 95.6174, 86.4339)

Have a look what the booklet for  
XYZ(89.2420, 95.6174, 86.4339)  
contains.

<b>XYZ(89.2354, 95.6112, 86.4247)</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(89.2354, 95.6112,  
86.4247)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FEFBE3
RGB	254, 251, 227
RGB Percent	100%, 98%, 89%
CMY	0.0039, 0.0157, 0.1098
CMYK	0.00, 0.01, 0.11, 0.00
HSL	53°, 93%, 94%
HSV	53°, 11%, 100%
XYZ	89.2354, 95.6112, 86.4247
YIQ	249.1610, 9.4920, -6.8280

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 254, 227
Decimal	16710627
CIE Lab	98.28, -2.98, 11.85
CIE LCh	98, 12.222, 104.120
Yxy	95.6112, 0.3290, 0.3525
Android (android.graphics.Color)	4294900707 (0xFFFEFBE3)
YUV	249.1610, -10.9254, 4.2438
Hunter-Lab	97.7810, -8.2167, 16.0426

# Details

The XYZ color **89.2354, 95.6112, 86.4247** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **77.8648, 80.0791, 105.1199**, and the grayscale version is **90.2587, 94.9592, 103.4105**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **49.9875, 53.8791, 46.7948** is the 20% darker color. If you saturate the color by 10%, you get **85.1124, 92.5671, 69.0116**, and if you desaturate by 10%, it is **93.8940, 98.8968, 106.5702**.

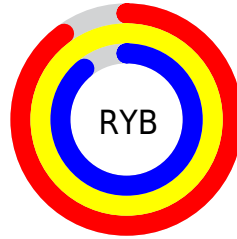
# Distribution



Red (100%)

Green (98%)

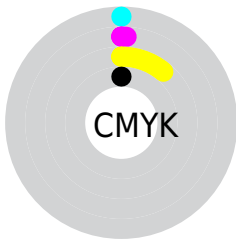
Blue (89%)



Red (90%)

Yellow (100%)

Blue (89%)

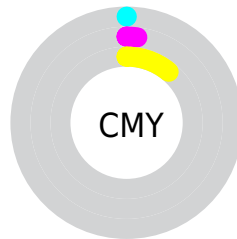


Cyan (0%)

Magenta (1%)

Yellow (11%)

Black (0%)



Cyan (0%)

Magenta (2%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.2354, 95.6112, 86.4247 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 89.2354, 95.6112, 86.4247 by changing the saturation by 10% instead.




 89.2354, 95.6112,  
86.4247

 89.2354, 95.6112,  
86.4247


513.8155,  
546.1198, 536.5976

 67.6808, 72.6438,  
64.4623


145.1596,  
155.1087, 144.2538

 49.9109, 53.6847,  
46.5766


180.2600,  
192.4076, 180.9576

 35.5601, 38.3497,  
32.3492


220.6064,  
235.2525, 223.4122

 24.2632, 26.2542,  
21.3613

266.5641,  
284.0277, 272.0363

 15.6547, 17.0139,  
13.1946

318.4985,  
339.1176, 327.2483

 9.3695, 10.2444,  
7.4304

376.7750,

 5.0420, 5.5613,

400.9067, 389.4669

3.6502

441.7589,  
469.7793, 459.1105

■ 2.3069, 2.5802,  
1.4355

■ 0.7982, 0.9167,  
0.1691

■ 89.2354, 95.6112,  
86.4247

■ 89.2354, 95.6112,  
86.4247

■ 85.1124, 92.5671,  
69.0116

■ 93.8940, 98.8968,  
106.5702

■ 81.4946, 89.7429,  
54.2059

■ 94.6835, 99.8111,  
108.8828

■ 78.3602, 87.1328,  
41.8820

■ 75.6830, 84.7262,  
31.9017

■ 73.4340, 82.5116,  
24.1129

■ 71.5810, 80.4758,  
18.3459

■ 70.0869, 78.6041,  
14.4062

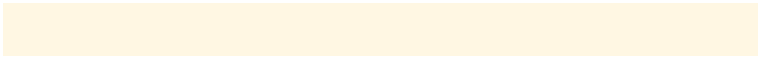
■ 68.9075, 76.8785,  
12.0606

■ 68.0219, 75.3677,  
10.9623

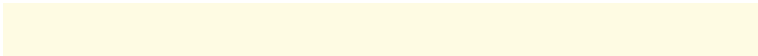
# Harmonies

## Analogous

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



92.7391, 95.6112, 86.5608



89.2354, 95.6112, 86.4247



86.2474, 95.6112, 90.8073

# Triad

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



89.2354, 95.6112, 86.4247



86.1056, 95.6112, 118.1814



97.5382, 95.6112, 109.4956

# Complementary

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



89.2354, 95.6112, 86.4247



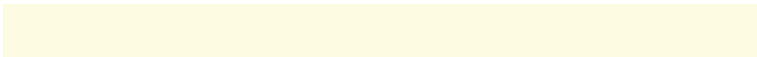
77.8648, 80.0791, 105.1199

# Split Complementary

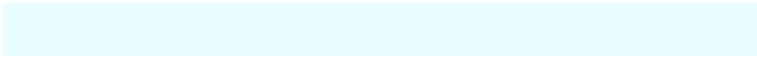
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.6664, 95.6112, 118.6400



89.2354, 95.6112, 86.4247



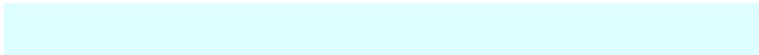
89.0372, 95.6112, 123.8712

# Square

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



89.2354, 95.6112, 86.4247



84.4722, 95.6112, 108.9021



92.5357, 95.6112, 124.0443



97.5946, 95.6112, 99.4496

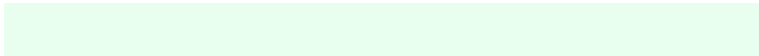


# Rectangle

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



89.2354, 95.6112, 86.4247



84.9245, 95.6112, 95.8753



92.5357, 95.6112, 124.0443



97.0983, 95.6112, 112.7912

# Sweetspot

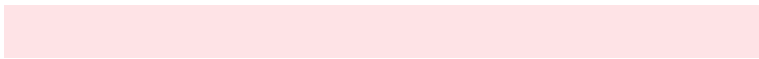
The Sweet Spot groups the original color and five complimentary colors.



89.2380, 95.6154, 86.4268



93.5724, 98.9767, 102.4518



82.6474, 81.7320, 86.3947



19.9456, 21.1274, 21.5693



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.



89.2380, 95.6154, 86.4268



89.0027, 95.7219, 82.7871



86.4950, 95.6014, 86.5686



19.3790, 20.7262, 19.1235



35.9298, 39.8708, 5.8021



3.5454, 3.9761, 0.5806



# Inverse Universe

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



77.8648, 80.0791, 105.1199



75.1963, 76.8620, 105.4803



80.4018, 80.1602, 105.0018



17.1652, 17.7020, 22.7621



9.7037, 4.3169, 49.7564

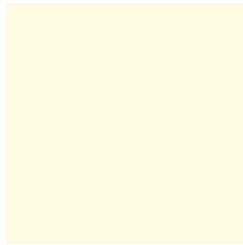


0.9951, 0.5209, 4.8614



# Previews

## White Background



This preview shows how the XYZ color 89.2354, 95.6112, 86.4247 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

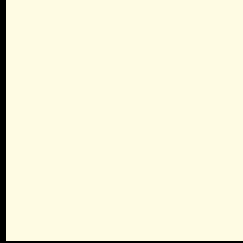
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.2354, 95.6112, 86.4247 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

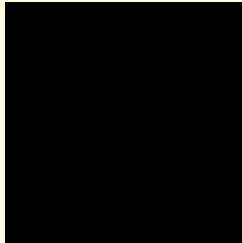
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 89.2354, 95.6112, 86.4247**

## **Background**



This preview shows how black text looks on a background with the XYZ color 89.2354, 95.6112, 86.4247.



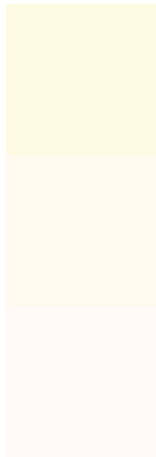
This preview shows how white text looks on a background with the XYZ color 89.2354, 95.6112,



# 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

89.2354, 95.6112, 86.4247

### Protanopia

91.0056, 95.8632, 95.3683

### Deuteranopia

91.9042, 95.7268, 101.6289

## Tritanopia

92.4337, 95.8540, 108.2376

# Trichromacy



**Original Color**

89.2354, 95.6112, 86.4247

**Protanomaly**

90.4210, 95.6294, 92.2899

**Deuteranomaly**

91.1538, 95.9225, 96.1486

**Tritanomaly**

91.1751, 95.8464, 100.0810

# Monochromacy



**Original Color**

89.2354, 95.6112, 86.4247



**Achromatopsia**

90.0415, 94.7307, 103.1617



**Achromatomaly**

89.8465, 95.2313, 96.8652

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.2354, 95.6112, 86.4247 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(254, 251, 227)` looks like.

```
.text, #text, p{  
    color:rgb(254, 251, 227)  
}
```

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(254, 251, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 251, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 89.2354, 95.6112, 86.4247 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(254, 251, 227) }
```



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

```
.border{ border-color:rgb(254, 251, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 251, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 251, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 251, 227);  
box-shadow:4px 4px 4px 4px rgb(254, 251,  
227) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.2354, 95.6112, 86.4247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 251, 227) }
```

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

```
.background{ background-color: rgb(254,  
251, 227) }
```

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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