

# Converting Colors

XYZ(89.5279, 95.7615, 86.0794)

Have a look what the booklet for  
XYZ(89.5279, 95.7615, 86.0794)  
contains.

<b>XYZ(89.6023, 95.8004, 86.4418)</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(89.6023, 95.8004,  
86.4418)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFFBE3
RGB	255, 251, 227
RGB Percent	100%, 98%, 89%
CMY	0.0000, 0.0157, 0.1098
CMYK	0.00, 0.02, 0.11, 0.00
HSL	51°, 100%, 95%
HSV	51°, 11%, 100%
XYZ	89.6023, 95.8004, 86.4418
YIQ	249.4600, 10.0880, -6.6160

# Conversions

## Conversions Part 2

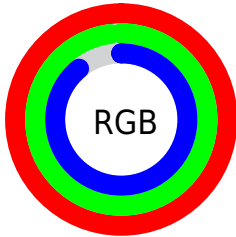
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 255, 227
Decimal	16776163
CIE <sub>Lab</sub>	98.35, -2.64, 11.97
CIE <sub>LCh</sub>	98, 12.257, 102.420
Yxy	95.8004, 0.3296, 0.3524
Android (android.graphics.Color)	4294966243 (0xFFFFFBE3)
YUV	249.4600, -11.0728, 4.8586
Hunter-Lab	97.8777, -7.8778, 16.1517

# Details

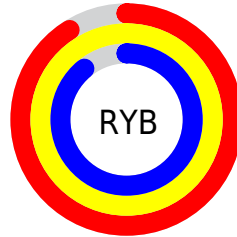
The XYZ color 89.6023, 95.8004, 86.4418 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 78.3038, 80.7006, 106.0575, and the grayscale version is 90.5055, 95.2188, 103.6933.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 50.2502, 54.0145, 46.8071 is the 20% darker color. If you saturate the color by 10%, you get 85.2154, 92.2480, 68.8827, and if you desaturate by 10%, it is 94.5368, 99.6130, 106.7576.

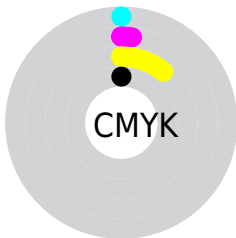
# Distribution



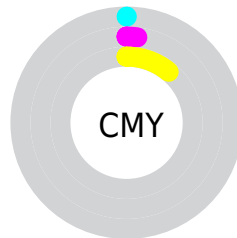
- Red (100%)
- Green (98%)
- Blue (89%)



- Red (91%)
- Yellow (100%)
- Blue (89%)



- Cyan (0%)
- Magenta (2%)
- Yellow (11%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.6023, 95.8004, 86.4418 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 89.6023, 95.8004, 86.4418 by changing the saturation by 10% instead.




 89.6023, 95.8004,  
86.4418

 89.6023, 95.8004,  
86.4418


514.9935,  
546.7242, 536.6554

 67.9860, 72.8013,  
64.4764

145.6670,  
155.3699, 144.2778

 50.1600, 53.8135,  
46.5880


180.8462,  
192.7092, 180.9855

 35.7589, 38.4526,  
32.3580


221.2770,  
235.5973, 223.4444

 24.4173, 26.3342,  
21.3680

267.3248,  
284.4186, 272.0730

 15.7698, 17.0738,  
13.1994

319.3550,  
339.5575, 327.2899

 9.4513, 10.2871,  
7.4337

377.7330,

 5.0961, 5.5897,

401.3985, 389.5135

3.6522

442.8240,  
470.3260, 459.1625

■ 2.3391, 2.5973,  
1.4366

■ 0.8146, 0.9253,  
0.1700

■ 89.6023, 95.8004,  
86.4418

■ 89.6023, 95.8004,  
86.4418

■ 85.2154, 92.2480,  
68.8827

94.5368, 99.6130,  
106.7576

■ 81.3466, 88.9345,  
53.9539

95.0500, 100.0000,  
108.9000

■ 77.9733, 85.8537,  
41.5283

■ 75.0688, 82.9948,  
31.4657

■ 72.6039, 80.3459,  
23.6122

■ 70.5457, 77.8936,  
17.7957

■ 68.8565, 75.6227,  
13.8184

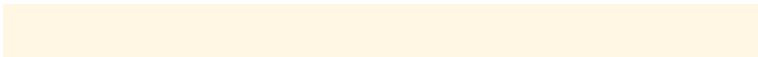
■ 67.4912, 73.5149,  
11.4433

■ 66.4740, 71.7279,  
10.3413

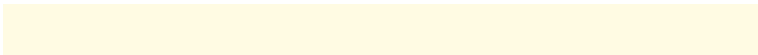
# Harmonies

## Analogous

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



93.1226, 95.8004, 86.8424



89.6023, 95.8004, 86.4418



86.5498, 95.8004, 90.5980

# Triad

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



89.6023, 95.8004, 86.4418



86.1323, 95.8004, 117.9911



97.6856, 95.8004, 110.2973

# Complementary

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



89.6023, 95.8004, 86.4418



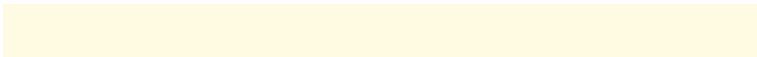
78.3038, 80.7006, 106.0575

# 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.



95.7148, 95.8004, 119.3409



89.6023, 95.8004, 86.4418



89.0191, 95.8004, 123.9764

# Square

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



89.6023, 95.8004, 86.4418



84.5814, 95.8004, 108.5505



92.5241, 95.8004, 124.4858



97.8516, 95.8004, 100.1821

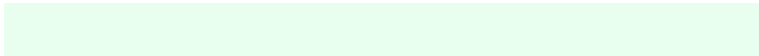


# Rectangle

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



89.6023, 95.8004, 86.4418



85.1663, 95.8004, 95.5601



92.5241, 95.8004, 124.4858



97.2099, 95.8004, 113.5791

# Sweetspot

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



89.6045, 95.8044, 86.4438



93.4954, 98.8228, 102.4261



83.1619, 81.9801, 87.1913



19.9248, 21.0856, 21.5624



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.



89.6045, 95.8044, 86.4438



88.6747, 95.0659, 82.6778



87.3516, 96.5147, 86.6997



19.3274, 20.6229, 19.1063



34.8187, 37.6487, 5.4318



3.4481, 3.7815, 0.5482



# Inverse Universe

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



78.3038, 80.7006, 106.0575



75.4823, 77.4339, 105.5756



80.3783, 80.1295, 105.8379



17.2120, 17.7956, 22.7777



9.8299, 4.5694, 49.7985

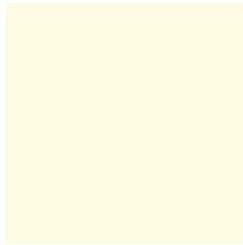


1.0170, 0.5647, 4.8687



# Previews

## White Background



This preview shows how the XYZ color 89.6023, 95.8004, 86.4418 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

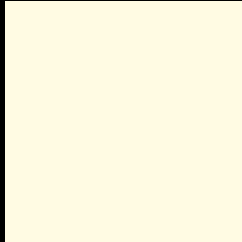
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.6023, 95.8004, 86.4418 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

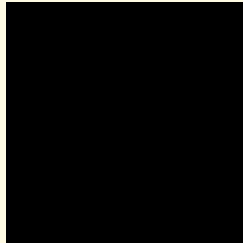
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 89.6023, 95.8004, 86.4418

## Background



This preview shows how black text looks on a background with the XYZ color 89.6023, 95.8004, 86.4418.



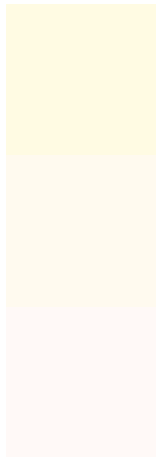
This preview shows how white text looks on a background with the XYZ color 89.6023, 95.8004,

86.4418.

# 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

89.6023, 95.8004, 86.4418

### Protanopia

91.0056, 95.8632, 95.3683

### Deuteranopia

91.9042, 95.7268, 101.6289

## **Tritanopia**

92.7987, 96.0422, 108.2547

# Trichromacy

**Original Color**

89.6023, 95.8004, 86.4418

**Protanomaly**

90.4210, 95.6294, 92.2899

**Deuteranomaly**

91.1538, 95.9225, 96.1486

**Tritanomaly**

91.5401, 96.0346, 100.0981

# Monochromacy

**Original Color**

89.6023, 95.8004, 86.4418

**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 89.6023, 95.8004, 86.4418 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(255, 251, 227)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 251, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 227) }
```

## Border

The CSS property to change the border of an element to XYZ 89.6023, 95.8004, 86.4418 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(255, 251, 227) }
```



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

```
.border{ border-color:rgb(255, 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(255, 251, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 251, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 251, 227); box-shadow:4px 4px 4px 4px rgb(255, 251, 227) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.6023, 95.8004, 86.4418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 227) }
```

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

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