

# Converting Colors

XYZ(80.6405, 83.8841, 94.5535)

Have a look what the booklet for  
XYZ(80.6405, 83.8841, 94.5535)  
contains.

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# Color

**XYZ(80.6964, 83.8851,  
94.3764)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EEEEBF0
RGB	238, 235, 240
RGB Percent	93%, 92%, 94%
CMY	0.0667, 0.0784, 0.0588
CMYK	0.01, 0.02, 0.00, 0.06
HSL	276°, 14%, 93%
HSV	276°, 2%, 94%
XYZ	80.6964, 83.8851, 94.3764
YIQ	236.4670, 0.1830, 2.1910

# Conversions

## Conversions Part 2

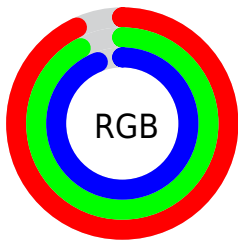
Format	Color
R <sub>Y</sub> B	238, 235, 240
Decimal	15657968
CIE Lab	93.40, 1.90, -2.07
CIE LCh	93, 2.808, 312.507
Yxy	83.8851, 0.3116, 0.3239
Android (android.graphics.Color)	4293848048 (0xFFEEEEBF0)
YUV	236.4670, 1.7418, 1.3444
Hunter-Lab	91.5888, -3.0089, 3.0176

# Details

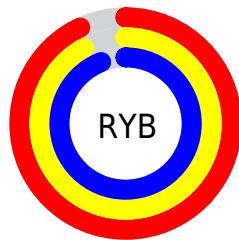
The XYZ color **80.6964, 83.8851, 94.3764** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **81.0838, 86.3252, 90.9904**, and the grayscale version is **80.0757, 84.2459, 91.7438**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.0632, 45.6460, 51.8356** is the 20% darker color. If you saturate the color by 10%, you get **71.1438, 69.4410, 92.0931**, and if you desaturate by 10%, it is **90.0617, 97.6966, 96.5499**.

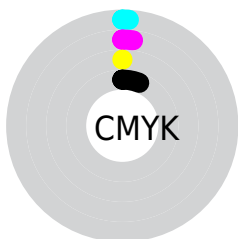
# Distribution



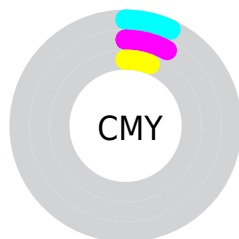
- Red (93%)
- Green (92%)
- Blue (94%)



- Red (93%)
- Yellow (92%)
- Blue (94%)



- Cyan (1%)
- Magenta (2%)
- Yellow (0%)
- Black (6%)



- Cyan (7%)
- Magenta (8%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.6964, 83.8851, 94.3764 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 80.6964, 83.8851, 94.3764 by changing the saturation by 10% instead.



80.6964, 83.8851,  
94.3764

80.6964, 83.8851,  
94.3764

485.9775,  
507.9316, 563.0999

60.6020, 62.9206,  
71.0220

133.2898,  
138.8144, 155.3910

44.1554, 45.7770,  
51.8782

166.5195,  
173.5480, 193.8882

30.9911, 32.0699,  
36.5265

204.8584,  
213.6401, 238.2702

20.7439, 21.4149,  
24.5482

248.6718,  
259.4751, 288.9555

13.0483, 13.4276,  
15.5248

298.3250,  
311.4373, 346.3625

7.5390, 7.7236,  
9.0378

354.1835,

3.8507, 3.9186,

369.9112, 410.9099

4.6687

416.6125,  
435.2812, 483.0162

■ 1.6180, 1.6281,  
1.9989

■ 0.4041, 0.3765,  
0.5546

■ 80.6964, 83.8851,  
94.3764

■ 80.6964, 83.8851,  
94.3764

■ 71.1438, 69.4410,  
92.0931

■ 90.0617, 97.6966,  
96.5499

■ 62.6485, 56.8610,  
90.1127

■ 92.7284, 99.0714,  
96.6747

■ 55.1709, 46.0686,  
88.4237

■ 48.6659, 36.9780,  
87.0119

■ 43.0847, 29.4958,  
85.8618

■ 38.3740, 23.5198,  
84.9566

■ 34.4743, 18.9352,  
84.2772

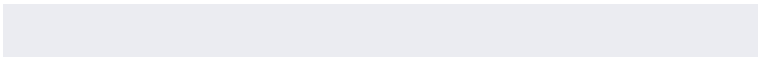
■ 31.3174, 15.6104,  
83.8019

■ 28.8216, 13.3869,  
83.5042

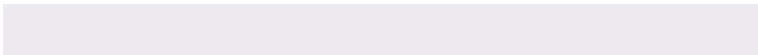
# Harmonies

## Analogous

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



80.0391, 83.8851, 95.3765



80.6964, 83.8851, 94.3764



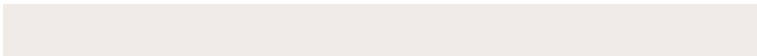
81.0963, 83.8851, 92.5681

# Triad

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



80.6964, 83.8851, 94.3764



80.1591, 83.8851, 87.5016



78.3480, 83.8851, 92.2227

# Complementary

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



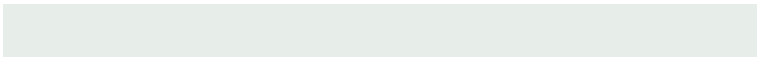
80.6964, 83.8851, 94.3764



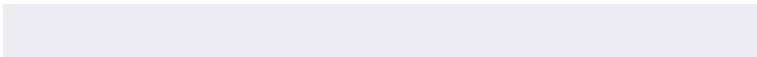
81.0838, 86.3252, 90.9904

# Split Complementary

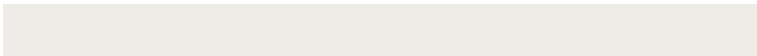
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3797, 83.8851, 90.1161



80.6964, 83.8851, 94.3764



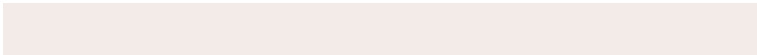
79.4223, 83.8851, 87.4124

# Square

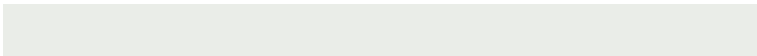
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6964, 83.8851, 94.3764



80.7847, 83.8851, 88.6084



78.7719, 83.8851, 88.3628



78.6850, 83.8851, 94.1202



# Rectangle

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



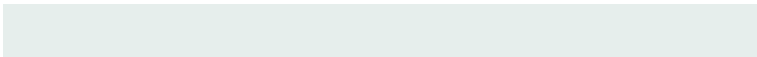
80.6964, 83.8851, 94.3764



81.1615, 83.8851, 91.1583



78.7719, 83.8851, 88.3628



78.3160, 83.8851, 91.5152

# Sweetspot

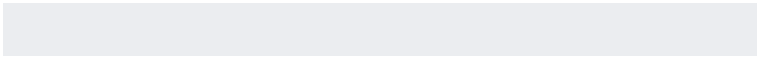
The Sweet Spot groups the original color and five complimentary colors.



80.6988, 83.8887, 94.3782



93.8673, 98.1907, 108.6131



80.3007, 84.5735, 94.5314



20.1039, 21.0359, 23.2507



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.



80.6988, 83.8887, 94.3782



92.6973, 96.4039, 108.3299



81.3123, 84.2121, 94.0844



17.3880, 18.0950, 20.2978



15.0522, 6.7651, 45.6403

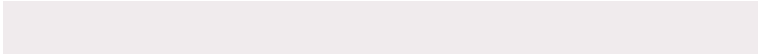


1.3642, 0.6205, 3.8021

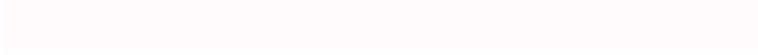


# Inverse Universe

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



80.9326, 84.0602, 92.0849



92.9560, 96.5937, 105.7922



80.4799, 86.0069, 91.2766



17.4337, 18.1286, 19.8487



20.8909, 10.6288, 7.3418

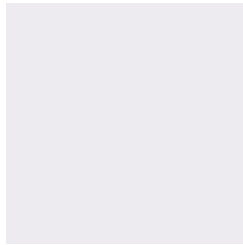


1.7858, 0.9034, 0.8628



# Previews

## White Background



This preview shows how the XYZ color 80.6964, 83.8851, 94.3764 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

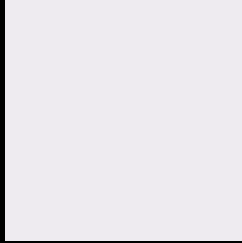
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.6964, 83.8851, 94.3764 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

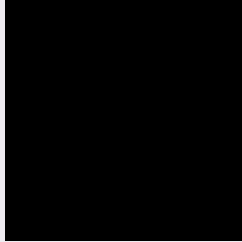
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

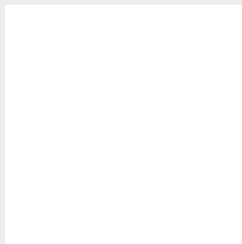
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.6964, 83.8851, 94.3764

## Background



This preview shows how black text looks on a background with the XYZ color 80.6964, 83.8851, 94.3764.



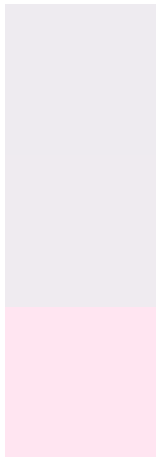
This preview shows how white text looks on a background with the XYZ color 80.6964, 83.8851,

94.3764.

# 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

80.6964, 83.8851, 94.3764

### Protanopia

81.0331, 84.0587, 94.3921

### Deuteranopia

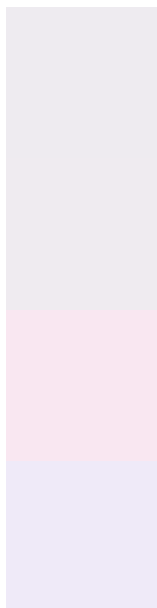
85.1365, 83.6495, 94.8779



## Tritanopia

82.6448, 83.8314, 103.9207

# Trichromacy



## Original Color

80.6964, 83.8851, 94.3764

## Protanomaly

81.0331, 84.0587, 94.3921

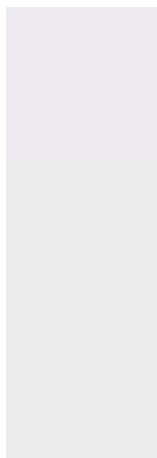
## Deuteranomaly

83.5200, 83.6424, 94.9617

## Tritanomaly

81.9627, 83.9737, 100.6956

# Monochromacy



## Original Color

80.6964, 83.8851, 94.3764

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

80.2066, 84.1099, 92.1283

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.6964, 83.8851, 94.3764 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(238, 235, 240) looks like.

```
.text, #text, p{  
    color:rgb(238, 235, 240)  
}
```

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(238, 235, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 235, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 80.6964, 83.8851, 94.3764 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(238, 235, 240) }
```



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

```
.border{ border-color:rgb(238, 235, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 235, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 235, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 235, 240);  
box-shadow:4px 4px 4px 4px rgb(238, 235,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.6964, 83.8851, 94.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 235, 240) }
```

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

```
.background{ background-color: rgb(238,  
235, 240) }
```

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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