

# Converting Colors

XYZ(105.3864, 100.0000,  
56.6836)

Have a look what the booklet for  
XYZ(105.3864, 100.0000, 56.6836)  
contains.

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# Color

**XYZ(80.9335, 87.4659,  
55.7970)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF1B4
RGB	255, 241, 180
RGB Percent	100%, 95%, 71%
CMY	0.0000, 0.0549, 0.2941
CMYK	0.00, 0.05, 0.29, 0.00
HSL	49°, 100%, 85%
HSV	49°, 29%, 100%
XYZ	80.9335, 87.4659, 55.7970
YIQ	238.2320, 27.9250, -16.0030

# Conversions

## Conversions Part 2

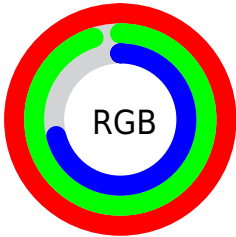
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 255, 180
Decimal	16773556
CIE Lab	94.94, -4.26, 31.22
CIE LCh	95, 31.510, 97.763
Yxy	87.4659, 0.3610, 0.3901
Android (android.graphics.Color)	4294963636 (0xFFFFF1B4)
YUV	238.2320, -28.7084, 14.7055
Hunter-Lab	93.5232, -9.1945, 30.0932

# Details

The XYZ color **80.9335, 87.4659, 55.7970** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **56.1638, 55.5052, 102.3612**, and the grayscale version is **81.6500, 85.9021, 93.5474**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **44.2057, 48.1005, 27.0331** is the 20% darker color. If you saturate the color by 10%, you get **77.1817, 83.7440, 42.8879**, and if you desaturate by 10%, it is **85.2044, 91.4604, 71.2389**.

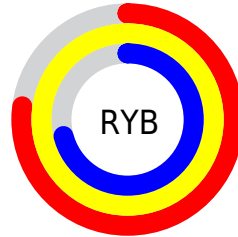
# Distribution



Red (100%)

Green (95%)

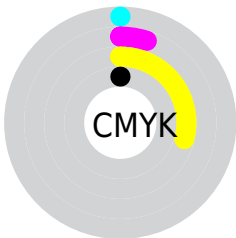
Blue (71%)



Red (77%)

Yellow (100%)

Blue (71%)

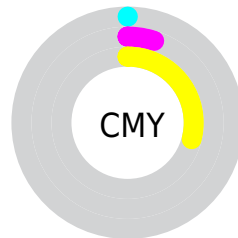


Cyan (0%)

Magenta (5%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9335, 87.4659, 55.7970 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 80.9335, 87.4659, 55.7970 by changing the saturation by 10% instead.





 80.9335, 87.4659,  
55.7970

 80.9335, 87.4659,  
55.7970


486.7620,  
519.7526, 426.2928

 60.7979, 65.8808,  
39.6373


 133.6210,  
143.8133, 100.1905

 44.3140, 48.1757,  
26.9442


166.9037,  
179.3445, 129.2614

 31.1164, 33.9660,  
17.2993


205.2995,  
220.2932, 163.4732

 20.8398, 22.8675,  
10.2839

249.1737,  
267.0437, 203.2442

 13.1187, 14.4957,  
5.4795

298.8917,  
319.9805, 248.9932

 7.5879, 8.4662,  
2.4677

354.8188,

 3.8820, 4.3947,

379.4880, 301.1386

0.8229

417.3205,  
445.9506, 360.0989

■ 1.6356, 1.8967,  
0.0000

■ 0.4154, 0.5464,  
0.0000

■ 80.9335, 87.4659,  
55.7970

■ 80.9335, 87.4659,  
55.7970

■ 77.1817, 83.7440,  
42.8879

■ 85.2044, 91.4604,  
71.2389

■ 73.9160, 80.2719,  
32.3679

■ 90.0123, 95.7260,  
89.3358

■ 71.1095, 77.0415,  
24.0872

95.0500, 100.0000,  
108.9000

■ 68.7298, 74.0393,  
17.8767

■ 66.7400, 71.2501,  
13.5435

■ 65.0962, 68.6559,  
10.8580

■ 63.7313, 66.2294,  
9.4677

■ 63.6549, 66.0898,  
9.4016

# Harmonies

## Analogous

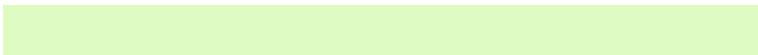
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5098, 87.4659, 57.9738



80.9335, 87.4659, 55.7970



73.4698, 87.4659, 62.6613

# Triad

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



80.9335, 87.4659, 55.7970



70.8062, 87.4659, 127.0658



99.2931, 87.4659, 114.1817

# Complementary

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



80.9335, 87.4659, 55.7970



56.1638, 55.5052, 102.3612

# 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.



93.6100, 87.4659, 137.5021



80.9335, 87.4659, 55.7970



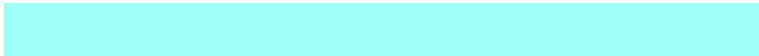
77.0679, 87.4659, 145.7846

# Square

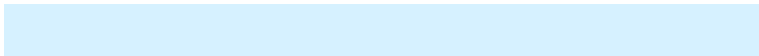
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9335, 87.4659, 55.7970



67.8895, 87.4659, 101.7357



85.3734, 87.4659, 149.8995



100.5044, 87.4659, 89.0183

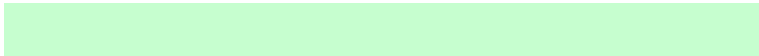


# Rectangle

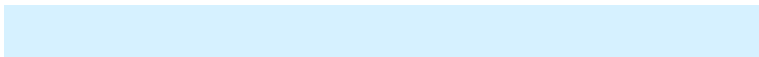
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9335, 87.4659, 55.7970



69.9927, 87.4659, 72.2698



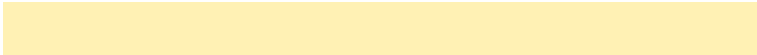
85.3734, 87.4659, 149.8995



97.8244, 87.4659, 122.6140

# Sweetspot

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



80.9357, 87.4698, 55.7988



90.2217, 95.9073, 90.1379



67.4122, 57.8436, 59.2428



19.1533, 20.3912, 18.6898



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

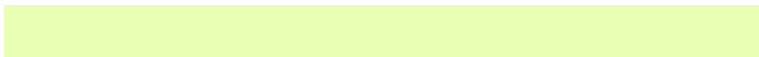
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.9357, 87.4698, 55.7988



78.7758, 85.3555, 48.2796



77.4399, 92.0551, 56.8681



19.2561, 20.4805, 19.0826



33.3645, 34.7402, 4.9470



3.3197, 3.5247, 0.5054



# Inverse Universe

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



56.1638, 55.5052, 102.3612



50.5341, 48.9211, 101.3870



58.8648, 52.4901, 101.6368



17.2772, 17.9259, 22.7994



10.0529, 5.0153, 49.8728



1.0485, 0.6277, 4.8792



# Previews

## White Background



This preview shows how the XYZ color 80.9335, 87.4659, 55.7970 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

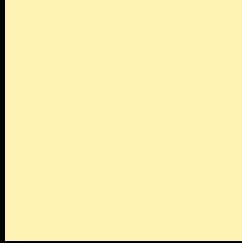
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.9335, 87.4659, 55.7970 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 80.9335, 87.4659, 55.7970**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.9335, 87.4659, 55.7970.



This preview shows how white text looks on a background with the XYZ color 80.9335, 87.4659,

55.7970.

# 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

80.9335, 87.4659, 55.7970

### Protanopia

81.8041, 87.3418, 61.8373

### Deuteranopia

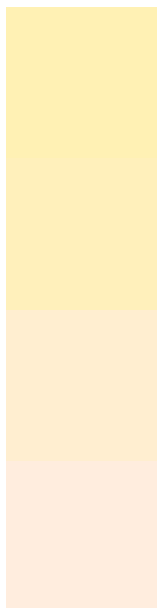
84.9787, 87.2102, 82.8754



## Tritanopia

87.5829, 87.3305, 99.4291

# Trichromacy



## Original Color

80.9335, 87.4659, 55.7970

## Protanomaly

81.3697, 87.1680, 59.5502

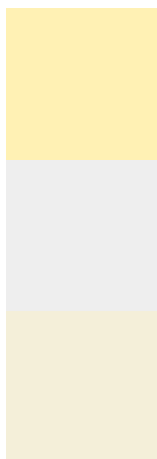
## Deuteranomaly

83.1997, 86.9631, 72.0750

## Tritanomaly

84.7090, 87.1023, 81.4550

# Monochromacy



## Original Color

80.9335, 87.4659, 55.7970

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.6991, 85.9759, 77.9873

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.9335, 87.4659, 55.7970 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, 241, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 180)  
}
```

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, 241, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 80.9335, 87.4659, 55.7970 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, 241, 180) }
```



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

```
.border{ border-color:rgb(255, 241, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.9335, 87.4659, 55.7970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 180) }
```

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

```
.background{ background-color: rgb(255,  
241, 180) }
```

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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