

# Converting Colors

XYZ(200.1347, 148.4108,  
64.3844)

Have a look what the booklet for  
XYZ(200.1347, 148.4108, 64.3844)  
contains.

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# Color

**XYZ(81.2630, 87.1253,  
58.9882)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF0BA
RGB	255, 240, 186
RGB Percent	100%, 94%, 73%
CMY	0.0000, 0.0588, 0.2706
CMYK	0.00, 0.06, 0.27, 0.00
HSL	47°, 100%, 86%
HSV	47°, 27%, 100%
XYZ	81.2630, 87.1253, 58.9882
YIQ	238.3290, 26.2740, -13.6140

# Conversions

## Conversions Part 2

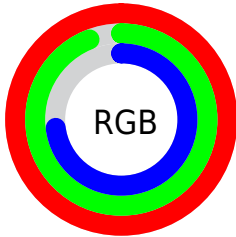
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 255, 186
Decimal	16773306
CIE <sub>Lab</sub>	94.79, -2.99, 27.98
CIE <sub>LCh</sub>	95, 28.138, 96.105
Yxy	87.1253, 0.3574, 0.3832
Android (android.graphics.Color)	4294963386 (0xFFFFF0BA)
YUV	238.3290, -25.7982, 14.6205
Hunter-Lab	93.3409, -7.9438, 27.8695

# Details

The XYZ color **81.2630, 87.1253, 58.9882** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.1859, 59.4307, 102.9596**, and the grayscale version is **81.7042, 85.9592, 93.6095**.

A 20% lighter version of the original color is **93.0270, 99.1908, 98.2471**, and **44.6628, 47.9802, 29.0974** is the 20% darker color. If you saturate the color by 10%, you get **77.1846, 82.9265, 45.4268**, and if you desaturate by 10%, it is **85.8793, 91.6250, 75.1176**.

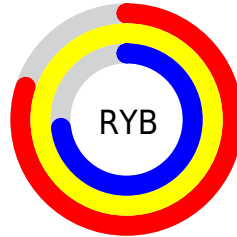
# Distribution



Red (100%)

Green (94%)

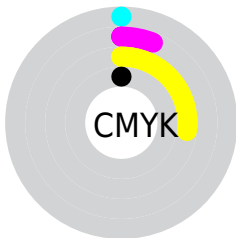
Blue (73%)



Red (80%)

Yellow (100%)

Blue (73%)

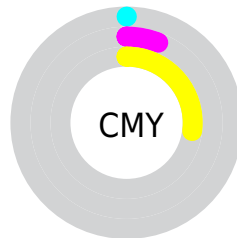


Cyan (0%)

Magenta (6%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2630, 87.1253, 58.9882 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 81.2630, 87.1253, 58.9882 by changing the saturation by 10% instead.





 81.2630, 87.1253,  
58.9882

 81.2630, 87.1253,  
58.9882


487.8511,  
518.6345, 438.5588

 61.0703, 65.5989,  
42.1837


 134.0812,  
143.3388, 104.8895

 44.5346, 47.9469,  
28.9185


167.4374,  
178.7946, 134.8233

 31.2907, 33.7848,  
18.7741


205.9121,  
219.6625, 169.9706

 20.9733, 22.7283,  
11.3320

249.8707,  
266.3266, 210.7500

 13.2168, 14.3930,  
6.1736

299.6786,  
319.1715, 257.5800

 7.6560, 8.3945,  
2.8805

355.7010,

 3.9256, 4.3484,

378.5815, 310.8791

1.0339

418.3034,  
444.9411, 371.0659

■ 1.6601, 1.8703,  
0.0000

■ 0.4311, 0.5304,  
0.0000

■ 81.2630, 87.1253,  
58.9882

■ 81.2630, 87.1253,  
58.9882

■ 77.1846, 82.9265,  
45.4268

■ 85.8793, 91.6250,  
75.1176

■ 73.6115, 79.0057,  
34.2923

■ 91.0513, 96.4245,  
93.9352

■ 70.5174, 75.3549,  
25.4384

95.0500, 100.0000,  
108.9000

■ 67.8705, 71.9606,  
18.7006

■ 65.6351, 68.8076,  
13.8921

■ 63.7689, 65.8785,  
10.7938

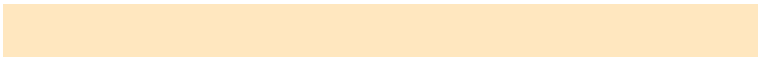
■ 62.2184, 63.1511,  
9.1255

■ 61.7987, 62.3775,  
8.7829

# Harmonies

## Analogous

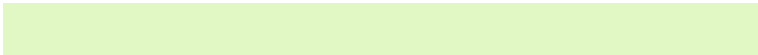
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.8818, 87.1253, 61.4666



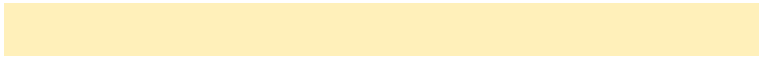
81.2630, 87.1253, 58.9882



74.4805, 87.1253, 64.8657

# Triad

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



81.2630, 87.1253, 58.9882



71.5376, 87.1253, 121.7737



96.9270, 87.1253, 112.8788

# Complementary

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



81.2630, 87.1253, 58.9882



59.1859, 59.4307, 102.9596

# 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.



91.7385, 87.1253, 132.9254



81.2630, 87.1253, 58.9882



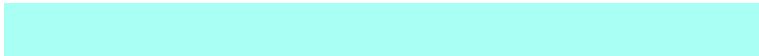
77.0212, 87.1253, 138.5866

# Square

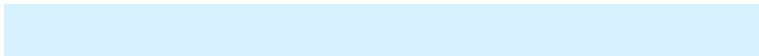
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2630, 87.1253, 58.9882



69.0913, 87.1253, 99.3932



84.3765, 87.1253, 142.9516



98.2341, 87.1253, 90.4758

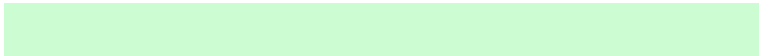


# Rectangle

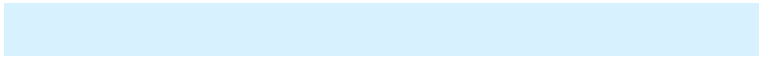
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.2630, 87.1253, 58.9882



71.2443, 87.1253, 73.3541



84.3765, 87.1253, 142.9516



95.5641, 87.1253, 120.2161

# Sweetspot

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



81.2651, 87.1292, 58.9900



90.5397, 95.9592, 92.0446



69.4721, 60.6478, 63.9848



19.2066, 20.3814, 19.0660



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

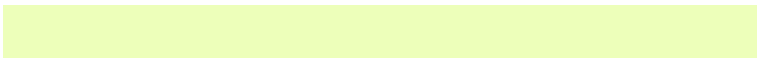
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2651, 87.1292, 58.9900



79.1834, 85.0162, 51.9748



79.4150, 93.0011, 60.2209



19.2066, 20.3814, 19.0660



32.4058, 32.8228, 4.6275



3.2343, 3.3540, 0.4769



# Inverse Universe

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



59.1859, 59.4307, 102.9596



54.0318, 53.4692, 102.0805



60.6214, 55.2329, 102.0737



17.3230, 18.0175, 22.8147



10.2440, 5.3975, 49.9365



1.0734, 0.6775, 4.8875



# Previews

## White Background



This preview shows how the XYZ color 81.2630, 87.1253, 58.9882 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

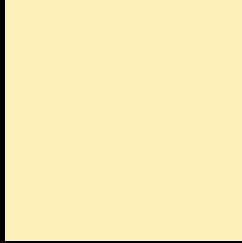
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.2630, 87.1253, 58.9882 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 81.2630, 87.1253, 58.9882

## Background



This preview shows how black text looks on a background with the XYZ color 81.2630, 87.1253, 58.9882.



This preview shows how white text looks on a background with the XYZ color 81.2630, 87.1253,



# 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

81.2630, 87.1253, 58.9882

### Protanopia

81.6944, 87.2979, 61.2596

### Deuteranopia

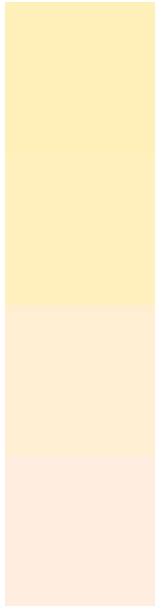
84.9787, 87.2102, 82.8754



## Tritanopia

87.5829, 87.3305, 99.4291

# Trichromacy



## Original Color

81.2630, 87.1253, 58.9882

## Protanomaly

81.5854, 87.2543, 60.6859

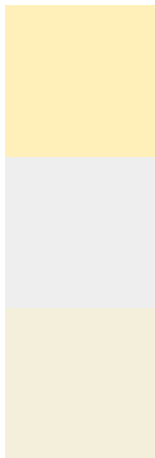
## Deuteranomaly

83.4474, 87.0622, 73.3793

## Tritanomaly

84.9787, 87.2102, 82.8754

# Monochromacy



## Original Color

81.2630, 87.1253, 58.9882

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.9609, 86.0806, 79.3659

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.2630, 87.1253, 58.9882 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, 240, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 186)  
}
```

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, 240, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 81.2630, 87.1253, 58.9882 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, 240, 186) }
```



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

```
.border{ border-color:rgb(255, 240, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 240, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 240, 186); box-shadow:4px 4px 4px 4px rgb(255, 240, 186) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.2630, 87.1253, 58.9882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 186) }
```

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

```
.background{ background-color: rgb(255,  
240, 186) }
```

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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