

# Converting Colors

XYZ(108.3593, 100.0000,  
63.8349)

Have a look what the booklet for  
XYZ(108.3593, 100.0000, 63.8349)  
contains.

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# Color

**XYZ(81.4402, 86.2593,  
62.8094)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEC1
RGB	255, 238, 193
RGB Percent	100%, 93%, 76%
CMY	0.0000, 0.0666, 0.2431
CMYK	0.00, 0.07, 0.24, 0.00
HSL	44°, 100%, 88%
HSV	44°, 24%, 100%
XYZ	81.4402, 86.2593, 62.8094
YIQ	237.9530, 24.5770, -10.3910

# Conversions

## Conversions Part 2

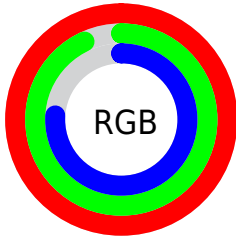
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	216, 255, 193
Decimal	16772801
CIE Lab	94.42, -1.06, 23.90
CIE LCh	94, 23.919, 92.540
Yxy	86.2593, 0.3533, 0.3742
Android (android.graphics.Color)	4294962881 (0xFFFFEEC1)
YUV	237.9530, -22.1618, 14.9502
Hunter-Lab	92.8759, -6.0113, 24.9169

# Details

The XYZ color **81.4402, 86.2593, 62.8094** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.0883, 64.6488, 103.7611**, and the grayscale version is **81.3862, 85.6246, 93.2452**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **44.6769, 47.3257, 31.2062** is the 20% darker color. If you saturate the color by 10%, you get **76.8422, 81.2298, 48.4319**, and if you desaturate by 10%, it is **86.6118, 91.6506, 79.8000**.

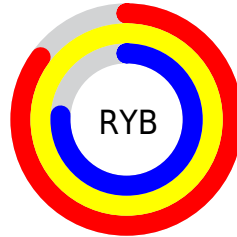
# Distribution



Red (100%)

Green (93%)

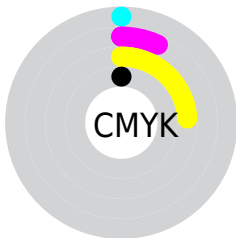
Blue (76%)



Red (85%)

Yellow (100%)

Blue (76%)

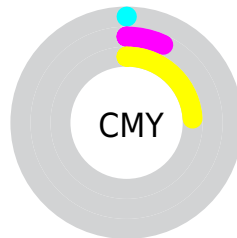


Cyan (0%)

Magenta (7%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.4402, 86.2593, 62.8094 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 81.4402, 86.2593, 62.8094 by changing the saturation by 10% instead.



81.4402, 86.2593,  
62.8094

81.4402, 86.2593,  
62.8094

488.4362,  
515.7858, 452.9663

61.2167, 64.8824,  
45.2470

134.3286,  
142.1313, 110.4774

44.6533, 47.3657,  
31.3077

167.7243,  
177.3952, 141.4201

31.3846, 33.3249,  
20.5728

206.2414,  
218.0568, 177.6600

21.0451, 22.3754,  
12.6239

250.2453,  
264.5007, 219.6157

13.2696, 14.1330,  
7.0424

300.1014,  
317.1111, 267.7056

7.6928, 8.2132,  
3.4098

356.1750,

3.9491, 4.2317,

376.2725, 322.3483

1.3075

418.8315,  
442.3693, 383.9624

■ 1.6734, 1.8040,  
0.0679

■ 0.4395, 0.4897,  
0.0000

■ 81.4402, 86.2593,  
62.8094

■ 81.4402, 86.2593,  
62.8094

■ 76.8422, 81.2298,  
48.4319

■ 86.6118, 91.6506,  
79.8000

■ 72.7856, 76.5389,  
36.5292

■ 92.3753, 97.4034,  
99.5216

■ 69.2442, 72.1777,  
26.9586

95.0500, 100.0000,  
108.9000

■ 66.1869, 68.1323,  
19.5604

■ 63.5785, 64.3870,  
14.1546

■ 61.3785, 60.9241,  
10.5322

■ 59.5374, 57.7224,  
8.4371

■ 58.6108, 56.0016,  
7.7203

# Harmonies

## Analogous

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



87.8198, 86.2593, 65.8815



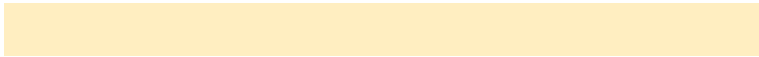
81.4402, 86.2593, 62.8094



75.5162, 86.2593, 67.1281

# Triad

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



81.4402, 86.2593, 62.8094



72.0019, 86.2593, 114.2792



93.4514, 86.2593, 111.2095

# Complementary

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



81.4402, 86.2593, 62.8094



63.0883, 64.6488, 103.7611

# 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.



88.8170, 86.2593, 127.0369



81.4402, 86.2593, 62.8094



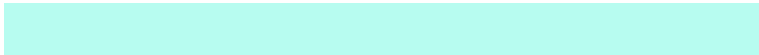
76.4181, 86.2593, 128.9657

# Square

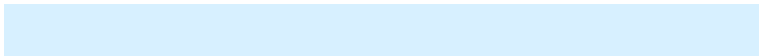
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4402, 86.2593, 62.8094



70.2479, 86.2593, 95.4996



82.5360, 86.2593, 133.9117

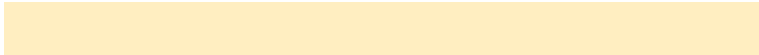


94.9658, 86.2593, 92.3613

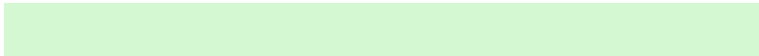


# Rectangle

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



81.4402, 86.2593, 62.8094



72.5613, 86.2593, 73.9946



82.5360, 86.2593, 133.9117



92.1952, 86.2593, 117.1393

# Sweetspot

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



81.4422, 86.2631, 62.8112



90.7670, 95.8211, 93.9471



72.0142, 64.0823, 69.9181



19.3518, 20.4344, 19.8465



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.



81.4422, 86.2631, 62.8112



79.2168, 83.8606, 55.7545



81.8554, 94.1711, 64.3158



19.1155, 20.1992, 19.0357



30.7565, 29.5243, 4.0777



3.0859, 3.0573, 0.4275



# Inverse Universe

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



63.0883, 64.6488, 103.7611



58.0791, 58.9723, 102.9294



62.6949, 58.5449, 102.6037



17.4081, 18.1879, 22.8431



10.6784, 6.2664, 50.0813



1.1262, 0.7831, 4.9051



# Previews

## White Background



This preview shows how the XYZ color 81.4402, 86.2593, 62.8094 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

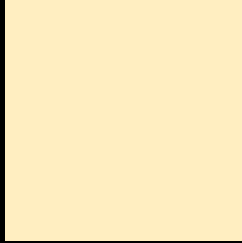
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.4402, 86.2593, 62.8094 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

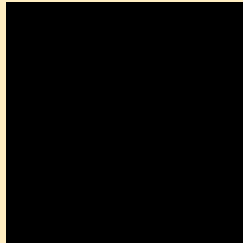
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.4402, 86.2593, 62.8094

## Background



This preview shows how black text looks on a background with the XYZ color 81.4402, 86.2593, 62.8094.



This preview shows how white text looks on a background with the XYZ color 81.4402, 86.2593,

62.8094.

# 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

81.4402, 86.2593, 62.8094

### Protanopia

81.0002, 86.4659, 62.8725

### Deuteranopia

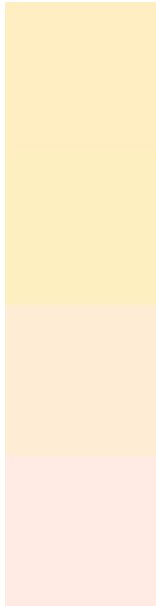
84.2676, 86.0044, 81.9712



## Tritanopia

87.0135, 86.1916, 99.2393

# Trichromacy



## Original Color

81.4402, 86.2593, 62.8094

## Protanomaly

81.3652, 86.6541, 62.8896

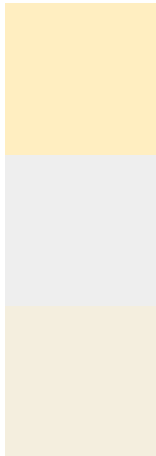
## Deuteranomaly

83.1191, 86.0044, 74.5070

## Tritanomaly

84.8135, 86.2227, 84.8455

# Monochromacy



## Original Color

81.4402, 86.2593, 62.8094

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

81.0676, 85.6561, 81.3678

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.4402, 86.2593, 62.8094 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, 238, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 193)  
}
```

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, 238, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 81.4402, 86.2593, 62.8094 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, 238, 193) }
```



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

```
.border{ border-color:rgb(255, 238, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.4402, 86.2593, 62.8094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 193) }
```

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

```
.background{ background-color: rgb(255,  
238, 193) }
```

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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