

# Converting Colors

XYZ(88.7105, 89.9596, 61.7965)

Have a look what the booklet for  
XYZ(88.7105, 89.9596, 61.7965)  
contains.

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# **Color**

**XYZ(81.2185, 86.1707,  
61.6421)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEEBF
RGB	255, 238, 191
RGB Percent	100%, 93%, 75%
CMY	0.0000, 0.0666, 0.2510
CMYK	0.00, 0.07, 0.25, 0.00
HSL	44°, 100%, 87%
HSV	44°, 25%, 100%
XYZ	81.2185, 86.1707, 61.6421
YIQ	237.7250, 25.2190, -11.0130

# Conversions

## Conversions Part 2

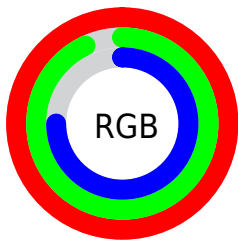
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 255, 191
Decimal	16772799
CIE <sub>Lab</sub>	94.39, -1.33, 24.87
CIE <sub>LCh</sub>	94, 24.904, 93.058
Yxy	86.1707, 0.3546, 0.3762
Android (android.graphics.Color)	4294962879 (0xFFFFEEBF)
YUV	237.7250, -23.0354, 15.1502
Hunter-Lab	92.8282, -6.2736, 25.6085

# Details

The XYZ color **81.2185, 86.1707, 61.6421** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.0911, 63.4062, 103.5738**, and the grayscale version is **81.2160, 85.4456, 93.0502**.

A 20% lighter version of the original color is **93.9433, 99.5573, 103.0721**, and **44.5320, 47.2678, 30.4434** is the 20% darker color. If you saturate the color by 10%, you get **76.7192, 81.2786, 47.4821**, and if you desaturate by 10%, it is **86.2848, 91.4142, 78.4035**.

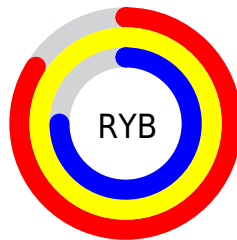
# Distribution



Red (100%)

Green (93%)

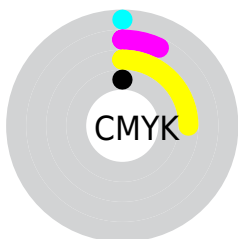
Blue (75%)



Red (84%)

Yellow (100%)

Blue (75%)

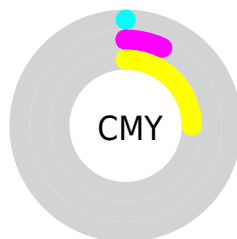


Cyan (0%)

Magenta (7%)

Yellow (25%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.2185, 86.1707, 61.6421 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 81.2185, 86.1707, 61.6421 by changing the saturation by 10% instead.




 81.2185, 86.1707,  
61.6421

 81.2185, 86.1707,  
61.6421


487.7041,  
515.4939, 448.5960

 61.0335, 64.8091,  
44.3097


 134.0191,  
142.0077, 108.7747

 44.5048, 47.3063,  
30.5750


167.3653,  
177.2519, 139.4119

 31.2672, 33.2779,  
20.0197


205.8294,  
217.8924, 175.3211

 20.9552, 22.3394,  
12.2252

249.7766,  
264.3137, 216.9208

 13.2035, 14.1065,  
6.7728

299.5723,  
316.9001, 264.6296

 7.6468, 8.1948,  
3.2441

355.5819,

 3.9197, 4.2198,

376.0360, 318.8661

1.2206

418.1707,  
442.1058, 380.0487

■ 1.6568, 1.7973,  
0.0000

■ 0.4290, 0.4855,  
0.0000

■ 81.2185, 86.1707,  
61.6421

■ 81.2185, 86.1707,  
61.6421

■ 76.7192, 81.2786,  
47.4821

■ 86.2848, 91.4142,  
78.4035

■ 72.7544, 76.7148,  
35.7846

■ 91.9361, 97.0085,  
97.8849

■ 69.2979, 72.4703,  
26.4056

95.0500, 100.0000,  
108.9000

■ 66.3182, 68.5312,  
19.1841

■ 63.7801, 64.8822,  
13.9384

■ 61.6426, 61.5053,  
10.4567

■ 59.8551, 58.3791,  
8.4777

■ 59.0718, 56.9236,  
7.8739

# Harmonies

## Analogous

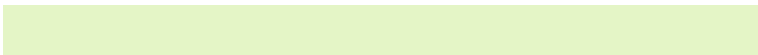
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8690, 86.1707, 64.6719



81.2185, 86.1707, 61.6421



75.0857, 86.1707, 66.2173

# Triad

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



81.2185, 86.1707, 61.6421



71.5898, 86.1707, 115.3850



93.9108, 86.1707, 111.5224

# Complementary

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



81.2185, 86.1707, 61.6421



62.0911, 63.4062, 103.5738

# 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.



89.1202, 86.1707, 128.2043



81.2185, 86.1707, 61.6421



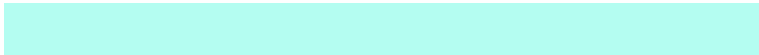
76.2127, 86.1707, 130.6390

# Square

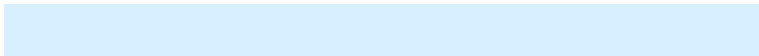
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.2185, 86.1707, 61.6421



69.7198, 86.1707, 95.8039



82.5907, 86.1707, 135.6202

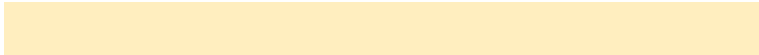


95.4280, 86.1707, 91.8740

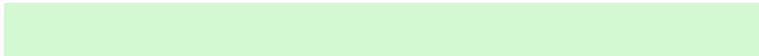


# Rectangle

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



81.2185, 86.1707, 61.6421



72.0478, 86.1707, 73.3841



82.5907, 86.1707, 135.6202



92.6175, 86.1707, 117.7481

# Sweetspot

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



81.2206, 86.1745, 61.6439



90.2339, 95.3475, 91.9427



71.2648, 63.0799, 68.1380



19.1292, 20.2266, 19.0402



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

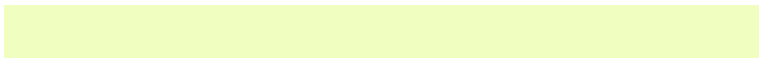
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.2206, 86.1745, 61.6439



78.9449, 83.7320, 54.3842



81.1222, 93.8187, 63.1246



19.1292, 20.2266, 19.0402



30.9953, 30.0018, 4.1573



3.1076, 3.1005, 0.4347



# Inverse Universe

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



62.0911, 63.4062, 103.5738



56.9055, 57.5052, 102.7081



62.1167, 57.5949, 102.4508



17.3952, 18.1621, 22.8388



10.6059, 6.1213, 50.0571



1.1176, 0.7660, 4.9022



# Previews

## White Background



This preview shows how the XYZ color 81.2185, 86.1707, 61.6421 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

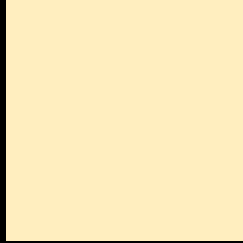
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.2185, 86.1707, 61.6421 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

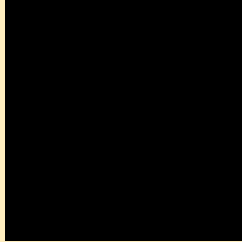
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.2185, 86.1707, 61.6421

## Background



This preview shows how black text looks on a background with the XYZ color 81.2185, 86.1707, 61.6421.



This preview shows how white text looks on a background with the XYZ color 81.2185, 86.1707,

61.6421.

# 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

81.2185, 86.1707, 61.6421

### Protanopia

80.8516, 85.9815, 61.6250

### Deuteranopia

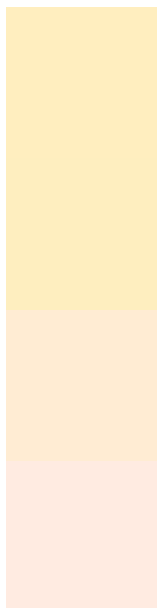
84.1331, 85.9506, 81.2631



## Tritanopia

86.8603, 86.1304, 98.4330

# Trichromacy



## Original Color

81.2185, 86.1707, 61.6421

## Protanomaly

80.8516, 85.9815, 61.6250

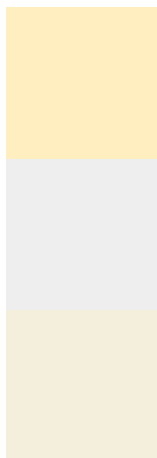
## Deuteranomaly

82.9933, 85.9541, 73.8446

## Tritanomaly

84.5389, 86.1129, 83.3999

# Monochromacy



## Original Color

81.2185, 86.1707, 61.6421

## Achromatopsia

81.2670, 85.4993, 93.1087

## Achromatomaly

80.9339, 85.6026, 80.6639

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.2185, 86.1707, 61.6421 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 81.2185, 86.1707, 61.6421 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, 191) }
```



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

```
.border{ border-color:rgb(255, 238, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.2185, 86.1707, 61.6421 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, 191) }
```

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

```
.background{ background-color: rgb(255,  
238, 191) }
```

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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