

# Converting Colors

XYZ(170.8906, 131.2281,  
66.9839)

Have a look what the booklet for  
XYZ(170.8906, 131.2281, 66.9839)  
contains.

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# **Color**

**XYZ(80.5740, 84.5269,  
62.5207)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEB1C
RGB	255, 235, 193
RGB Percent	100%, 92%, 76%
CMY	0.0000, 0.0784, 0.2431
CMYK	0.00, 0.08, 0.24, 0.00
HSL	41°, 100%, 88%
HSV	41°, 24%, 100%
XYZ	80.5740, 84.5269, 62.5207
YIQ	236.1920, 25.4020, -8.8220

# Conversions

## Conversions Part 2

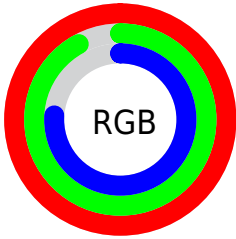
Format	Color
R <sub>Y</sub> B	223, 255, 193
Decimal	16772033
CIE Lab	93.68, 0.46, 22.87
CIE LCh	94, 22.873, 88.853
Yxy	84.5269, 0.3540, 0.3713
Android (android.graphics.Color)	4294962113 (0xFFFFEBC1)
YUV	236.1920, -21.2937, 16.4946
Hunter-Lab	91.9385, -4.4568, 24.0381

# Details

The XYZ color **80.5740, 84.5269, 62.5207** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **63.8360, 66.1441, 104.0103**, and the grayscale version is **80.0220, 84.1894, 91.6822**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **44.0690, 46.1100, 31.0035** is the 20% darker color. If you saturate the color by 10%, you get **75.6713, 78.8881, 48.0416**, and if you desaturate by 10%, it is **86.0801, 90.5871, 79.6227**.

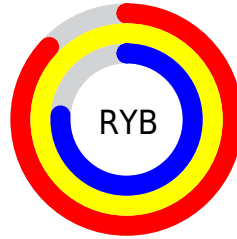
# Distribution



Red (100%)

Green (92%)

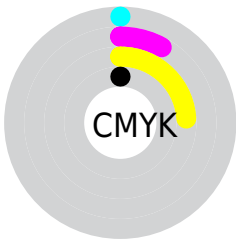
Blue (76%)



Red (87%)

Yellow (100%)

Blue (76%)

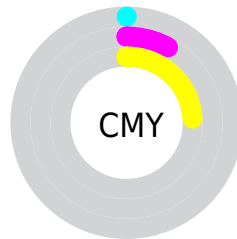


Cyan (0%)

Magenta (8%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.5740, 84.5269, 62.5207 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 80.5740, 84.5269, 62.5207 by changing the saturation by 10% instead.





 80.5740, 84.5269,  
62.5207

 80.5740, 84.5269,  
62.5207


485.5723,  
510.0613, 451.8879

 60.5009, 63.4505,  
45.0151


 133.1187,  
139.7120, 110.0566

 44.0735, 46.2058,  
31.1263


166.3211,  
174.5895, 140.9240

 30.9265, 32.4082,  
20.4357


204.6306,  
214.8362, 177.0823

 20.6944, 21.6735,  
12.5250

248.4125,  
260.8365, 218.9502

 13.0120, 13.6172,  
6.9754

298.0323,  
312.9748, 266.9462

 7.5139, 7.8549,  
3.3685

353.8553,

 3.8347, 4.0022,

371.6354, 321.4888

1.2857

416.2468,  
437.2028, 382.9965

■ 1.6090, 1.6748,  
0.0501

■ 0.3983, 0.4073,  
0.0000

■ 80.5740, 84.5269,  
62.5207

■ 80.5740, 84.5269,  
62.5207

■ 75.6713, 78.8881,  
48.0416

■ 86.0801, 90.5871,  
79.6227

■ 71.3393, 73.6464,  
36.0472

■ 92.2084, 97.0697,  
99.4659

■ 67.5513, 68.7919,  
26.3943

95.0500, 100.0000,  
108.9000

■ 64.2753, 64.3092,  
18.9232

■ 61.4758, 60.1816,  
13.4537

■ 59.1115, 56.3902,  
9.7765

■ 57.1323, 52.9122,  
7.6354

■ 56.1386, 51.0572,  
6.8962

# Harmonies

## Analogous

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



86.5241, 84.5269, 66.3100



80.5740, 84.5269, 62.5207



74.8435, 84.5269, 65.7740

# Triad

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



80.5740, 84.5269, 62.5207



70.5534, 84.5269, 109.1102



90.7393, 84.5269, 110.4127

# Complementary

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



80.5740, 84.5269, 62.5207



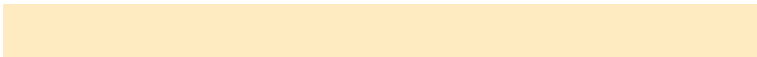
63.8360, 66.1441, 104.0103

# 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.



86.0999, 84.5269, 124.4945



80.5740, 84.5269, 62.5207



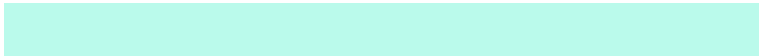
74.4584, 84.5269, 123.6784

# Square

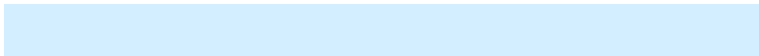
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.5740, 84.5269, 62.5207



69.2364, 84.5269, 91.3683



80.1070, 84.5269, 129.6259



92.5721, 84.5269, 92.7057

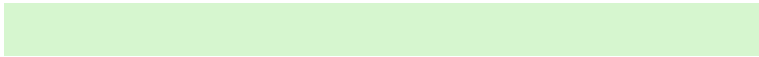


# Rectangle

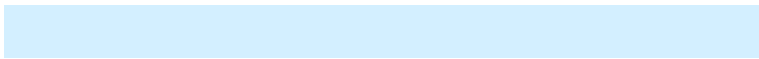
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.5740, 84.5269, 62.5207



71.8753, 84.5269, 71.7631



80.1070, 84.5269, 129.6259



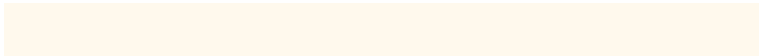
89.4451, 84.5269, 115.8056

# Sweetspot

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



80.5760, 84.5306, 62.5225



90.4990, 95.2852, 93.8578



72.4056, 64.2389, 71.9794



19.2897, 20.3101, 19.8258



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

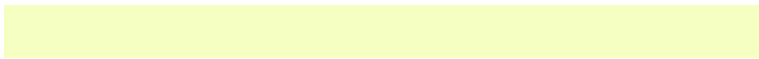
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.5760, 84.5306, 62.5225



78.2041, 81.8351, 55.4169



82.9260, 94.7230, 64.3659



19.0384, 20.0450, 19.0100



29.4749, 26.9609, 3.6505



2.9690, 2.8233, 0.3885



# Inverse Universe

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



63.8360, 66.1441, 104.0103



58.9247, 60.6637, 103.2113



61.8403, 58.1044, 102.5637



17.4812, 18.3341, 22.8674



11.1366, 7.1827, 50.2340



1.1784, 0.8876, 4.9225



# Previews

## White Background



This preview shows how the XYZ color 80.5740, 84.5269, 62.5207 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

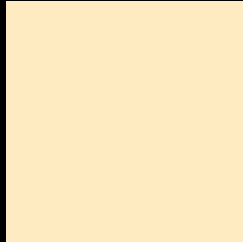
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.5740, 84.5269, 62.5207 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

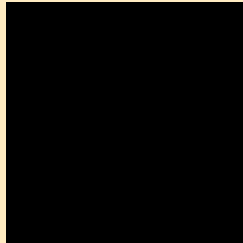
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 80.5740, 84.5269, 62.5207**

## **Background**



This preview shows how black text looks on a background with the XYZ color 80.5740, 84.5269, 62.5207.



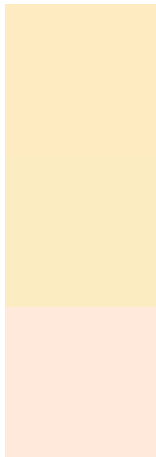
This preview shows how white text looks on a background with the XYZ color 80.5740, 84.5269,



# 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

80.5740, 84.5269, 62.5207

### Protanopia

79.5167, 84.3952, 63.1379

### Deuteranopia

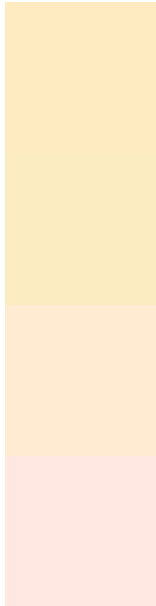
83.1651, 84.6523, 78.9741



## Tritanopia

85.7145, 84.3247, 96.5527

# Trichromacy



## Original Color

80.5740, 84.5269, 62.5207

## Protanomaly

79.8779, 84.5814, 63.1548

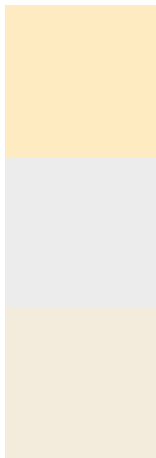
## Deuteranomaly

82.2957, 84.7588, 72.9954

## Tritanomaly

83.6872, 84.4095, 83.1160

# Monochromacy



## Original Color

80.5740, 84.5269, 62.5207

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.8759, 84.2129, 79.7550

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.5740, 84.5269, 62.5207 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, 235, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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, 235, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 80.5740, 84.5269, 62.5207 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, 235, 193) }
```



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

```
.border{ border-color:rgb(255, 235, 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, 235, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.5740, 84.5269, 62.5207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 193) }
```

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

```
.background{ background-color: rgb(255,  
235, 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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