

# Converting Colors

XYZ(77.2685, 81.1418, 62.0415)

Have a look what the booklet for  
XYZ(77.2685, 81.1418, 62.0415)  
contains.

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# Color

**XYZ(77.2685, 81.1418,  
62.0415)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F9E7C1
RGB	249, 231, 193
RGB Percent	98%, 91%, 76%
CMY	0.0235, 0.0941, 0.2431
CMYK	0.00, 0.07, 0.22, 0.02
HSL	41°, 82%, 87%
HSV	41°, 22%, 98%
XYZ	77.2685, 81.1418, 62.0415
YIQ	232.0500, 22.9260, -8.0020

# Conversions

## Conversions Part 2

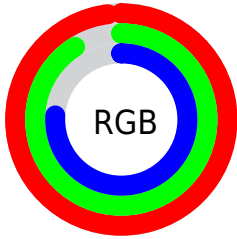
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	220, 249, 193
Decimal	16377793
CIE <sub>Lab</sub>	92.19, 0.29, 20.74
CIE <sub>LCh</sub>	92, 20.737, 89.189
Yxy	81.1418, 0.3505, 0.3681
Android (android.graphics.Color)	4294567873 (0xFFFF9E7C1)
YUV	232.0500, -19.2516, 14.8652
Hunter-Lab	90.0787, -4.5226, 22.2193

# Details

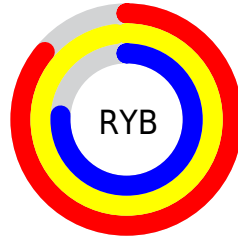
The XYZ color **77.2685, 81.1418, 62.0415** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.3852, 64.7640, 98.8357**, and the grayscale version is **76.8685, 80.8717, 88.0693**.

A 20% lighter version of the original color is **94.2553, 99.6821, 104.7153**, and **41.9238, 44.1212, 30.7327** is the 20% darker color. If you saturate the color by 10%, you get **72.5335, 75.7487, 47.8936**, and if you desaturate by 10%, it is **82.5779, 86.9341, 78.6900**.

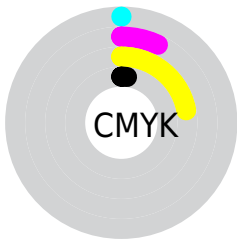
# Distribution



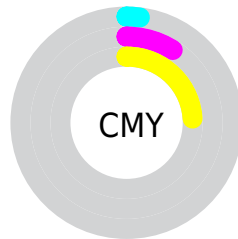
- Red (98%)
- Green (91%)
- Blue (76%)



- Red (86%)
- Yellow (98%)
- Blue (76%)



- Cyan (0%)
- Magenta (7%)
- Yellow (22%)
- Black (2%)



- Cyan (2%)
- Magenta (9%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2685, 81.1418, 62.0415 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 77.2685, 81.1418, 62.0415 by changing the saturation by 10% instead.



77.2685, 81.1418,  
62.0415

77.2685, 81.1418,  
62.0415

474.5569,  
498.7725, 450.0943

57.7740, 60.6584,  
44.6302

128.4893,  
134.9699, 109.3577

41.8695, 43.9495,  
30.8254

160.9462,  
169.0833, 140.0997

29.1898, 30.6308,  
20.2086

198.4546,  
208.5089, 176.1223

19.3694, 20.3179,  
12.3612

241.3799,  
253.6310, 217.8442

12.0431, 12.6263,  
6.8647

290.0875,  
304.8340, 265.6837

6.8455, 7.1718,  
3.3004

344.9426,

3.4111, 3.5697,

362.5023, 320.0596

1.2500

406.3106,  
427.0203, 381.3903

■ 1.3747, 1.4359,  
0.0203

■ 0.2381, 0.2430,  
0.0000

■ 77.2685, 81.1418,  
62.0415

■ 77.2685, 81.1418,  
62.0415

■ 72.5335, 75.7487,  
47.8936

■ 82.5779, 86.9341,  
78.6900

■ 68.3417, 70.7318,  
36.1174

■ 88.4784, 93.1259,  
97.9491

■ 64.6685, 66.0817,  
26.5803

■ 92.8772, 98.8799,  
108.7983

■ 61.4844, 61.7845,  
19.1345

■ 58.7566, 57.8247,  
13.6139

■ 56.4474, 54.1849,  
9.8274

■ 54.5115, 50.8445,  
7.5437

■ 53.2528, 48.5110,  
6.5568

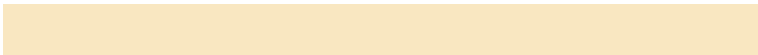
# Harmonies

## Analogous

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



82.5134, 81.1418, 65.3828



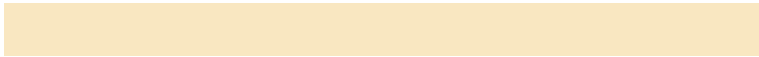
77.2685, 81.1418, 62.0415



72.2134, 81.1418, 65.0423

# Triad

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



77.2685, 81.1418, 62.0415



68.4853, 81.1418, 103.5125



86.3007, 81.1418, 104.3171

# Complementary

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



77.2685, 81.1418, 62.0415



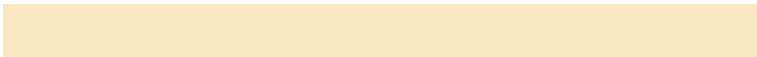
62.3852, 64.7640, 98.8357

# Split Complementary

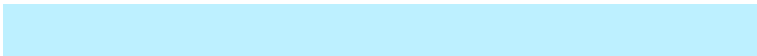
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2500, 81.1418, 116.6497



77.2685, 81.1418, 62.0415



71.9723, 81.1418, 116.1487

# Square

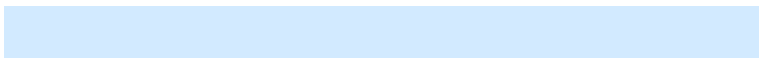
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2685, 81.1418, 62.0415



67.2863, 81.1418, 87.9334



76.9774, 81.1418, 121.2074

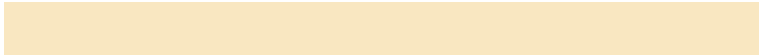


87.8742, 81.1418, 88.7672

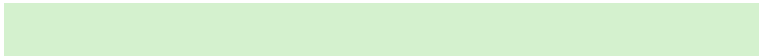


# Rectangle

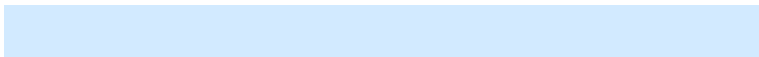
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2685, 81.1418, 62.0415



69.5951, 81.1418, 70.4579



76.9774, 81.1418, 121.2074



85.1747, 81.1418, 109.0395

# Sweetspot

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



77.2706, 81.1455, 62.0432



90.5054, 95.2980, 93.8599



69.9794, 63.0173, 70.5433



19.2912, 20.3130, 19.8263



0.0000, 0.0000, 0.0000

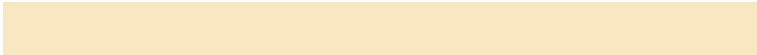


20.3446, 21.4041, 23.3091



# Same Dimension

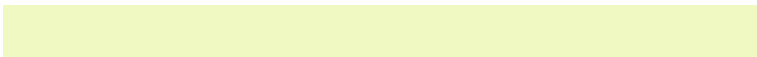
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.2706, 81.1455, 62.0432



79.2227, 83.0191, 58.3868



79.3241, 90.0692, 63.6574



18.2296, 19.1951, 18.2066



28.6394, 26.2354, 3.5545



2.7483, 2.6215, 0.3612



# Inverse Universe

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



62.3852, 64.7640, 98.8357



60.9589, 62.9234, 103.5403



60.6172, 57.5837, 97.5430



16.7383, 17.5535, 21.8913



10.8022, 6.9599, 48.7476

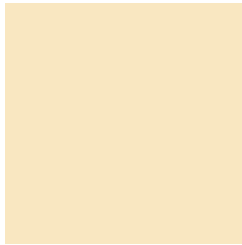


1.0920, 0.8277, 4.5454



# Previews

## White Background



This preview shows how the XYZ color 77.2685, 81.1418, 62.0415 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

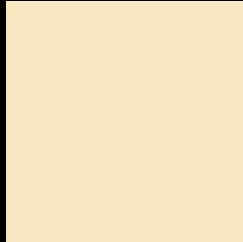
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.2685, 81.1418, 62.0415 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

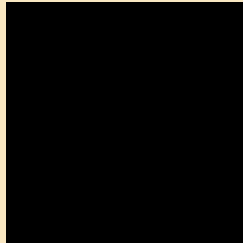
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.2685, 81.1418, 62.0415**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.2685, 81.1418, 62.0415.



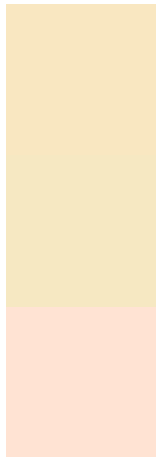
This preview shows how white text looks on a background with the XYZ color 77.2685, 81.1418,



# 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

77.2685, 81.1418, 62.0415

### Protanopia

76.6003, 81.2011, 62.6750

### Deuteranopia

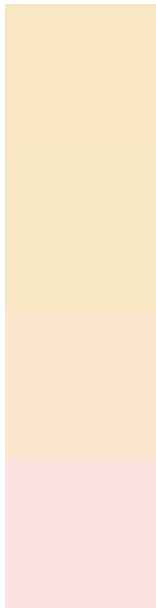
80.4670, 80.9013, 73.0025



## Tritanopia

83.9227, 80.9821, 95.2123

# Trichromacy



## Original Color

77.2685, 81.1418, 62.0415

## Protanomaly

76.9520, 81.3824, 62.6915

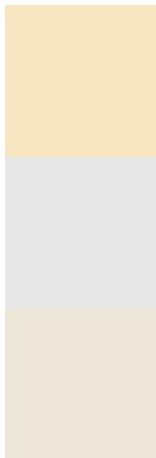
## Deuteranomaly

79.1505, 80.7291, 68.5373

## Tritanomaly

81.4316, 81.2026, 81.9028

# Monochromacy



## Original Color

77.2685, 81.1418, 62.0415

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.7714, 80.9523, 77.9087

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.2685, 81.1418, 62.0415 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(249, 231, 193) looks like.

```
.text, #text, p{  
    color:rgb(249, 231, 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(249, 231, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 231, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 77.2685, 81.1418, 62.0415 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(249, 231, 193) }
```



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

```
.border{ border-color:rgb(249, 231, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 231, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 231, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 231, 193);  
box-shadow:4px 4px 4px 4px rgb(249, 231,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.2685, 81.1418, 62.0415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 231, 193) }
```

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

```
.background{ background-color: rgb(249,  
231, 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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