

# Converting Colors

XYZ(74.8913, 77.4410, 60.0505)

Have a look what the booklet for  
XYZ(74.8913, 77.4410, 60.0505)  
contains.

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# **Color**

**XYZ(75.0406, 77.5685,  
60.3074)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8E1BF
RGB	248, 225, 191
RGB Percent	97%, 88%, 75%
CMY	0.0274, 0.1176, 0.2510
CMYK	0.00, 0.09, 0.23, 0.03
HSL	36°, 80%, 86%
HSV	36°, 23%, 97%
XYZ	75.0406, 77.5685, 60.3074
YIQ	228.0010, 24.6220, -5.6980

# Conversions

## Conversions Part 2

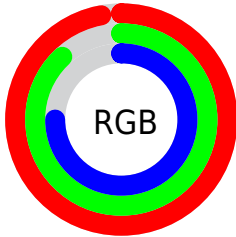
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	230, 248, 191
Decimal	16310719
CIE <sub>Lab</sub>	90.58, 2.71, 19.52
CIE <sub>LCh</sub>	91, 19.703, 82.084
Yxy	77.5685, 0.3524, 0.3643
Android (android.graphics.Color)	4294500799 (0xFFFF8E1BF)
YUV	228.0010, -18.2415, 17.5391
Hunter-Lab	88.0730, -2.0408, 21.0526

# Details

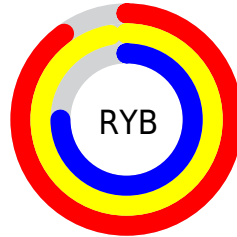
The XYZ color **75.0406, 77.5685, 60.3074** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.4753, 65.9452, 98.2432**, and the grayscale version is **73.8619, 77.7085, 84.6245**.

A 20% lighter version of the original color is **93.7885, 99.4954, 102.2570**, and **40.3759, 41.6320, 29.5746** is the 20% darker color. If you saturate the color by 10%, you get **69.9138, 71.3187, 46.2546**, and if you desaturate by 10%, it is **80.7921, 84.3271, 76.8501**.

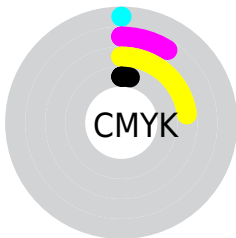
# Distribution



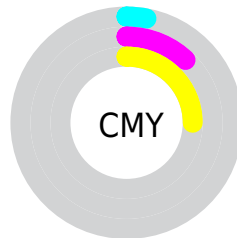
- Red (97%)
- Green (88%)
- Blue (75%)



- Red (90%)
- Yellow (97%)
- Blue (75%)



- Cyan (0%)
- Magenta (9%)
- Yellow (23%)
- Black (3%)




- Cyan (3%)
- Magenta (12%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.0406, 77.5685, 60.3074 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 75.0406, 77.5685, 60.3074 by changing the saturation by 10% instead.





 75.0406, 77.5685,  
60.3074

 75.0406, 77.5685,  
60.3074


467.0521,  
486.7002, 443.5660

 55.9404, 57.7196,  
43.2395


 125.3574,  
129.9417, 106.8232

 40.3920, 41.5833,  
29.7403


157.3048,  
163.2347, 137.1082

 28.0299, 28.7751,  
19.3912


194.2653,  
201.7779, 172.6360

 18.4887, 18.9108,  
11.7736

236.6043,  
245.9557, 213.8252

 11.4033, 11.6058,  
6.4691

284.6871,  
296.1524, 261.0942

 6.4080, 6.4759,  
3.0590

338.8791,

 3.1377, 3.1365,

352.7524, 314.8617

1.1248

399.5457,  
416.1402, 375.5461

■ 1.2270, 1.2034,  
0.0000

■ 0.1275, 0.0645,  
0.0000

■ 75.0406, 77.5685,  
60.3074

■ 75.0406, 77.5685,  
60.3074

■ 69.9138, 71.3187,  
46.2546

■ 80.7921, 84.3271,  
76.8501

■ 65.3798, 65.5526,  
34.5634

■ 87.1865, 91.5980,  
95.9927

■ 61.4124, 60.2581,  
25.1013

■ 92.5216, 98.6965,  
108.7817

■ 57.9809, 55.4183,  
17.7207

■ 55.0513, 51.0148,  
12.2558

■ 52.5842, 47.0273,  
8.5151

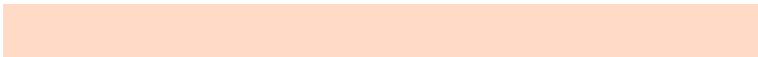
■ 50.5327, 43.4319,  
6.2668

■ 49.2940, 41.1215,  
5.3392

# Harmonies

## Analogous

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



79.7106, 77.5685, 64.7884



75.0406, 77.5685, 60.3074



70.2173, 77.5685, 61.7036

# Triad

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



75.0406, 77.5685, 60.3074



65.2813, 77.5685, 95.0901



81.4661, 77.5685, 102.2769

# Complementary

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



75.0406, 77.5685, 60.3074



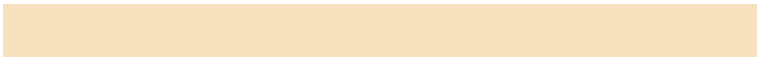
62.4753, 65.9452, 98.2432

# Split Complementary

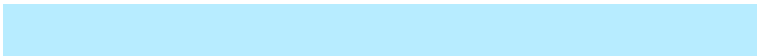
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.3508, 77.5685, 112.2163



75.0406, 77.5685, 60.3074



68.0498, 77.5685, 107.7552

# Square

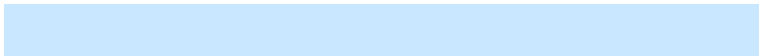
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0406, 77.5685, 60.3074



64.7245, 77.5685, 80.7726



72.4279, 77.5685, 114.3255



83.5268, 77.5685, 88.2557



# Rectangle

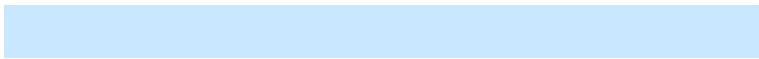
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.0406, 77.5685, 60.3074



67.5499, 77.5685, 65.8587



72.4279, 77.5685, 114.3255



80.2687, 77.5685, 106.2679

# Sweetspot

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



75.0426, 77.5720, 60.3090



90.0536, 94.3945, 93.7093



69.5766, 62.1125, 72.4444



19.1864, 20.1036, 19.7914



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.



75.0426, 77.5720, 60.3090



77.0995, 79.2033, 56.3521



80.0204, 89.9961, 62.4448



18.1058, 18.9474, 18.1653



26.7697, 22.4961, 2.9313



2.5833, 2.2914, 0.3061



# Inverse Universe

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



62.4753, 65.9452, 98.2432



61.3661, 64.6503, 103.8522



58.2750, 55.7423, 96.4953



16.8578, 17.7925, 21.9311



11.7458, 8.8472, 49.0622

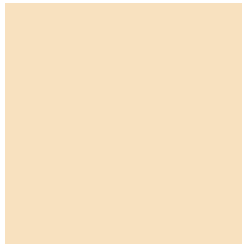


1.1887, 1.0211, 4.5776



# Previews

## White Background



This preview shows how the XYZ color 75.0406, 77.5685, 60.3074 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

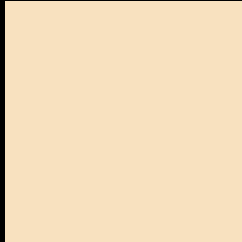
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.0406, 77.5685, 60.3074 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

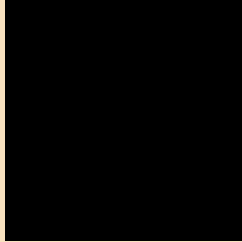
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.0406, 77.5685, 60.3074**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.0406, 77.5685, 60.3074.



This preview shows how white text looks on a background with the XYZ color 75.0406, 77.5685,



# 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

75.0406, 77.5685, 60.3074

### Protanopia

73.1930, 77.8178, 61.0318

### Deuteranopia

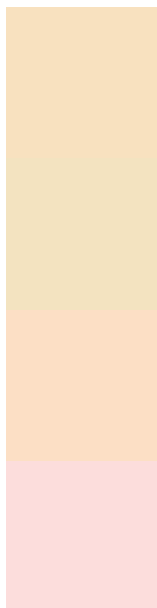
77.9039, 77.7196, 66.1537



## Tritanopia

81.3449, 77.7900, 90.0845

# Trichromacy



## Original Color

75.0406, 77.5685, 60.3074

## Protanomaly

73.9457, 77.7986, 60.9885

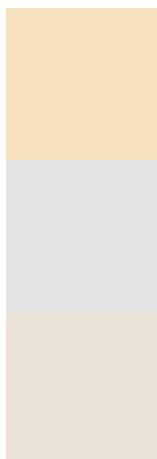
## Deuteranomaly

76.6106, 77.5020, 63.7449

## Tritanomaly

78.9196, 77.5757, 78.5242

# Monochromacy



## Original Color

75.0406, 77.5685, 60.3074

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.9958, 77.5066, 75.3503

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.0406, 77.5685, 60.3074 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(248, 225, 191)` looks like.

```
.text, #text, p{  
    color:rgb(248, 225, 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(248, 225, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 225, 191) }
```

## Border

The CSS property to change the border of an element to XYZ 75.0406, 77.5685, 60.3074 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(248, 225, 191) }
```



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

```
.border{ border-color:rgb(248, 225, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 225, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 225, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 225, 191);  
box-shadow:4px 4px 4px 4px rgb(248, 225,  
191) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.0406, 77.5685, 60.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 225, 191) }
```

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

```
.background{ background-color: rgb(248,  
225, 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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