

Converting Colors

XYZ(77.6689, 80.8144, 67.3823)

Have a look what the booklet for
XYZ(77.6689, 80.8144, 67.3823)
contains.

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Color

**XYZ(77.6689, 80.8144,
67.3823)**

Conversions

Conversions Part 1

Format	Color
Hex	F8E6CA
RGB	248, 230, 202
RGB Percent	97%, 90%, 79%
CMY	0.0274, 0.0980, 0.2078
CMYK	0.00, 0.07, 0.19, 0.03
HSL	37°, 77%, 88%
HSV	37°, 19%, 97%
XYZ	77.6689, 80.8144, 67.3823
YIQ	232.1900, 19.7160, -4.8920

Conversions

Conversions Part 2

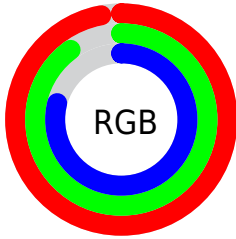
Format	Color
R _Y B	232, 248, 202
Decimal	16312010
CIE Lab	92.05, 1.73, 15.86
CIE LCh	92, 15.950, 83.787
Yxy	80.8144, 0.3439, 0.3578
Android (android.graphics.Color)	4294502090 (0xFFFF8E6CA)
YUV	232.1900, -14.8837, 13.8654
Hunter-Lab	89.8968, -3.0993, 18.4869

Details

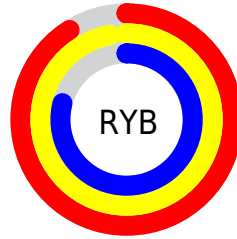
The XYZ color **77.6689, 80.8144, 67.3823** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.8932, 70.5186, 98.8933**, and the grayscale version is **76.9435, 80.9506, 88.1552**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1611, 43.8744, 34.2635** is the 20% darker color. If you saturate the color by 10%, you get **72.3408, 74.4854, 52.2649**, and if you desaturate by 10%, it is **83.6236, 87.6400, 85.0386**.

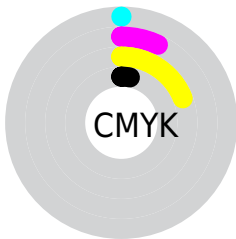
Distribution



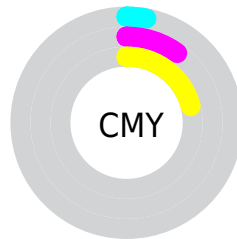
- Red (97%)
- Green (90%)
- Blue (79%)



- Red (91%)
- Yellow (97%)
- Blue (79%)



- Cyan (0%)
- Magenta (7%)
- Yellow (19%)
- Black (3%)





- Cyan (3%)
- Magenta (10%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.6689, 80.8144, 67.3823 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 77.6689, 80.8144, 67.3823 by changing the saturation by 10% instead.


 77.6689, 80.8144,
67.3823

 77.6689, 80.8144,
67.3823


475.8987,
497.6732, 469.8429

 58.1039, 60.3888,
48.9318

129.0511,
134.5101, 117.1139

 42.1357, 43.7321,
34.2002


161.5990,
168.5490, 149.2321

 29.3992, 30.4599,
22.7688


199.2052,
207.8944, 186.7432

 19.5288, 20.1879,
14.2192

242.2351,
252.9307, 230.0660

 12.1593, 12.5317,
8.1328

291.0541,
304.0424, 279.6187

 6.9252, 7.1069,
4.0910

346.0274,

 3.4613, 3.5290,

361.6137, 335.8201

1.6754

407.5205,
426.0292, 399.0886

■ 1.4021, 1.4138,
0.3438

■ 0.2577, 0.2268,
0.0000

■ 77.6689, 80.8144,
67.3823

■ 77.6689, 80.8144,
67.3823

■ 72.3408, 74.4854,
52.2649

■ 83.6236, 87.6400,
85.0386

■ 67.6078, 68.6282,
39.5618

■ 90.2217, 94.9644,
105.3399

■ 63.4454, 63.2319,
29.1459

■ 92.5216, 98.6966,
108.7817

■ 59.8242, 58.2806,
20.8760

■ 56.7122, 53.7573,
14.5952

■ 54.0727, 49.6431,
10.1246

■ 51.8631, 45.9164,
7.2532

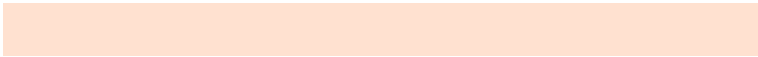
■ 50.0235, 42.5488,
5.6796

■ 49.7757, 42.0847,
5.4997

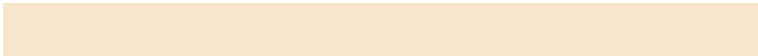
Harmonies

Analogous

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



81.5691, 80.8144, 70.9881



77.6689, 80.8144, 67.3823



73.6723, 80.8144, 68.8894

Triad

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



77.6689, 80.8144, 67.3823



69.8141, 80.8144, 97.4278



83.3566, 80.8144, 102.0328

Complementary

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



77.6689, 80.8144, 67.3823



66.8932, 70.5186, 98.8933

Split Complementary

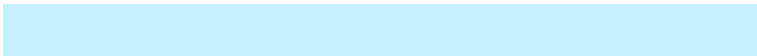
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0390, 80.8144, 110.3376



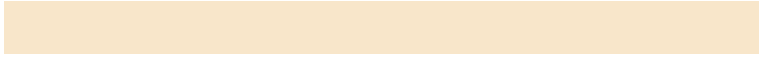
77.6689, 80.8144, 67.3823



72.2429, 80.8144, 107.5177

Square

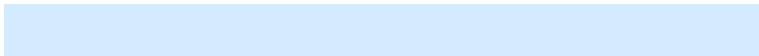
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6689, 80.8144, 67.3823



69.2302, 80.8144, 85.5698



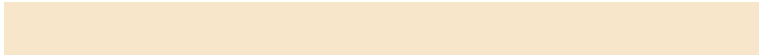
75.9608, 80.8144, 112.4290



84.9274, 80.8144, 90.4619

Rectangle

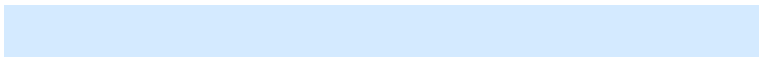
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6689, 80.8144, 67.3823



71.4790, 80.8144, 72.6643



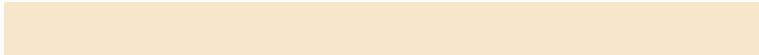
75.9608, 80.8144, 112.4290



82.4032, 80.8144, 105.3390

Sweetspot

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



77.6711, 80.8180, 67.3840



90.8039, 95.2939, 95.8123



72.8041, 67.3871, 77.1590



19.3401, 20.2897, 20.2162



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.



77.6711, 80.8180, 67.3840



80.6914, 83.6873, 65.8723



81.3291, 90.5256, 69.0650



18.1241, 18.9841, 18.1714



27.0292, 23.0150, 3.0177



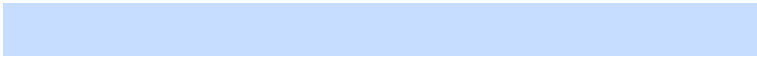
2.6065, 2.3378, 0.3139

Inverse Universe

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



66.8932, 70.5186, 98.8933



67.3925, 70.9800, 104.7563



63.6853, 62.2274, 97.4620



16.8399, 17.7567, 21.9251



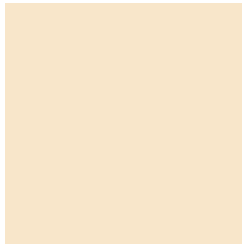
11.5894, 8.5344, 49.0100



1.1731, 0.9899, 4.5724

Previews

White Background



This preview shows how the XYZ color 77.6689, 80.8144, 67.3823 looks on a white background.

Color Contrast Check

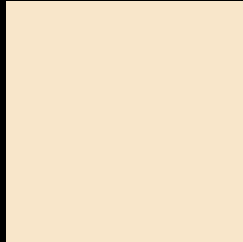
Large Text (above 18pt) WCAG AA × Fail

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 77.6689, 80.8144, 67.3823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

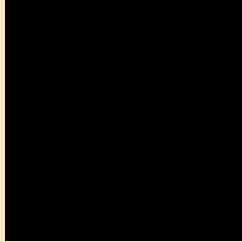
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.6689, 80.8144, 67.3823

Background



This preview shows how black text looks on a background with the XYZ color 77.6689, 80.8144, 67.3823.



This preview shows how white text looks on a background with the XYZ color 77.6689, 80.8144,

67.3823.

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

77.6689, 80.8144, 67.3823

Protanopia

76.5983, 81.0797, 68.1127

Deuteranopia

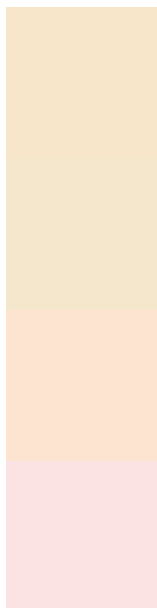
80.7193, 81.0023, 74.3314



Tritanopia

83.1907, 80.6048, 95.1781

Trichromacy



Original Color

77.6689, 80.8144, 67.3823

Protanomaly

77.0116, 80.8761, 68.0516

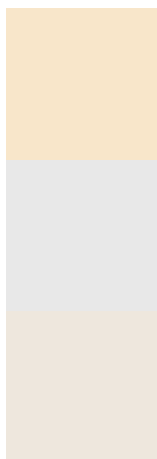
Deuteranomaly

79.3969, 80.7857, 71.7301

Tritanomaly

80.8451, 80.4480, 83.9401

Monochromacy



Original Color

77.6689, 80.8144, 67.3823

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.8870, 80.5494, 79.9018

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6689, 80.8144, 67.3823 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, 230, 202)` looks like.

```
.text, #text, p{  
    color:rgb(248, 230, 202)  
}
```

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, 230, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 230, 202) }
```

Border

The CSS property to change the border of an element to XYZ 77.6689, 80.8144, 67.3823 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, 230, 202) }
```


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

```
.border{ border-color:rgb(248, 230, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 230, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 230, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 230, 202);  
box-shadow:4px 4px 4px 4px rgb(248, 230,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6689, 80.8144, 67.3823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 230, 202) }
```

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

```
.background{ background-color: rgb(248,  
230, 202) }
```

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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