

Converting Colors

XYZ(77.6942, 82.0499, 68.8690)

Have a look what the booklet for
XYZ(77.6942, 82.0499, 68.8690)
contains.

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Color

**XYZ(77.6942, 82.0499,
68.8690)**

Conversions

Conversions Part 1

Format	Color
Hex	F5E9CC
RGB	245, 233, 204
RGB Percent	96%, 91%, 80%
CMY	0.0392, 0.0863, 0.2000
CMYK	0.00, 0.05, 0.17, 0.04
HSL	42°, 67%, 88%
HSV	42°, 17%, 96%
XYZ	77.6942, 82.0499, 68.8690
YIQ	233.2820, 16.4610, -6.4750

Conversions

Conversions Part 2

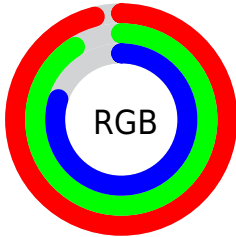
Format	Color
RYP	221, 245, 204
Decimal	16116172
CIELab	92.60, -0.58, 15.56
CIElCh	93, 15.568, 92.152
Yxy	82.0499, 0.3399, 0.3589
Android (android.graphics.Color)	4294306252 (0xFFFF5E9CC)
YUV	233.2820, -14.4360, 10.2767
Hunter-Lab	90.5814, -5.4130, 18.3288

Details

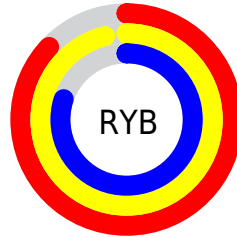
The XYZ color **77.6942, 82.0499, 68.8690** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.9389, 68.5403, 96.1412**, and the grayscale version is **77.7630, 81.8128, 89.0941**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.9662, 44.3377, 35.2003** is the 20% darker color. If you saturate the color by 10%, you get **72.9964, 76.9923, 53.9280**, and if you desaturate by 10%, it is **82.9412, 87.4646, 86.2755**.

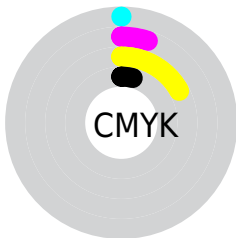
Distribution



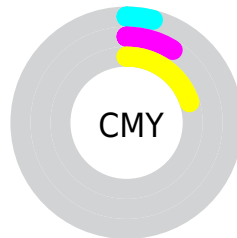
- Red (96%)
- Green (91%)
- Blue (80%)



- Red (87%)
- Yellow (96%)
- Blue (80%)



- Cyan (0%)
- Magenta (5%)
- Yellow (17%)
- Black (4%)



- Cyan (4%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6942, 82.0499, 68.8690 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 77.6942, 82.0499, 68.8690 by changing the saturation by 10% instead.

77.6942, 82.0499,
68.8690

77.6942, 82.0499,
68.8690

475.9834,
501.8146, 475.2502

58.1247, 61.4067,
50.1339

129.0866,
136.2440, 119.2604

42.1526, 44.5534,
35.1479

161.6402,
170.5636, 151.7538

29.4124, 31.1058,
23.4924

199.2526,
210.2108, 189.6704

19.5389, 20.6795,
14.7488

242.2891,
255.5700, 233.4287

12.1666, 12.8899,
8.4986

291.1151,
307.0256, 283.4473

6.9303, 7.3528,
4.3233

346.0959,

3.4645, 3.6837,

364.9620, 340.1448

1.8043

407.5969,
429.7635, 403.9395

■ 1.4039, 1.4982,
0.4308

■ 0.2590, 0.2875,
0.0000

■ 77.6942, 82.0499,
68.8690

■ 77.6942, 82.0499,
68.8690

■ 72.9964, 76.9923,
53.9280

■ 82.9412, 87.4646,
86.2755

■ 68.8186, 72.2703,
41.3335

■ 88.7518, 93.2354,
106.2487

■ 65.1388, 67.8763,
30.9643

■ 91.3103, 97.8402,
108.6802

■ 61.9305, 63.7981,
22.6862

■ 91.4665, 98.1526,
108.7323

■ 59.1646, 60.0224,
16.3507

■ 56.8082, 56.5343,
11.7892

■ 54.8226, 53.3168,
8.8042

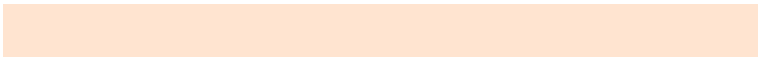
■ 53.1596, 50.3487,
7.1462

■ 52.6619, 49.4234,
6.7641

Harmonies

Analogous

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



81.6775, 82.0499, 71.0481



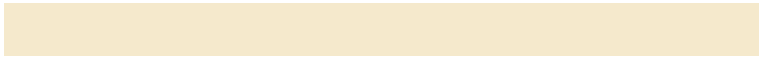
77.6942, 82.0499, 68.8690



73.9181, 82.0499, 71.7687

Triad

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



77.6942, 82.0499, 68.8690



71.5820, 82.0499, 101.7296



85.0701, 82.0499, 100.1575

Complementary

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



77.6942, 82.0499, 68.8690



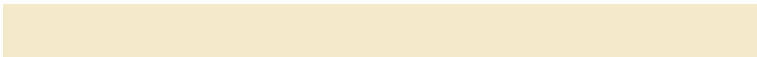
65.9389, 68.5403, 96.1412

Split Complementary

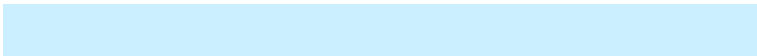
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2004, 82.0499, 109.5643



77.6942, 82.0499, 68.8690



74.4074, 82.0499, 110.5257

Square

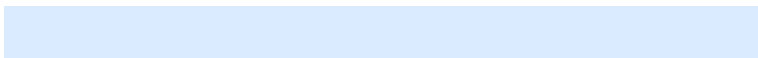
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6942, 82.0499, 68.8690



70.4661, 82.0499, 90.1777



78.2785, 82.0499, 113.5082



86.0227, 82.0499, 88.5044

Rectangle

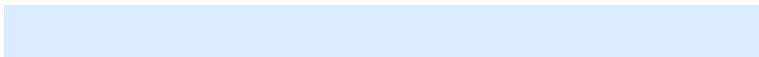
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6942, 82.0499, 68.8690



72.0018, 82.0499, 76.3512



78.2785, 82.0499, 113.5082



84.2929, 82.0499, 103.7207

Sweetspot

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



77.6964, 82.0535, 68.8707



91.8861, 96.8489, 98.0522



71.6835, 67.5727, 74.4350



19.5749, 20.6366, 20.6732



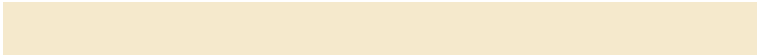
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



77.6964, 82.0535, 68.8707



83.3225, 87.9864, 69.7182



78.4106, 87.6354, 69.9105



17.4813, 18.4467, 17.4368



28.4953, 26.8761, 3.6857



2.5930, 2.5392, 0.3534

Inverse Universe

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



65.9389, 68.5403, 96.1412



68.2627, 70.6791, 104.6523



65.2844, 63.8062, 95.2619



15.9762, 16.7166, 20.9272



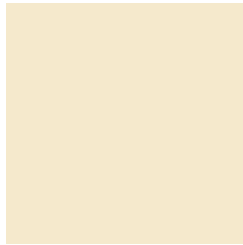
10.2196, 6.2330, 47.2025



0.9833, 0.7180, 4.1770

Previews

White Background



This preview shows how the XYZ color 77.6942, 82.0499, 68.8690 looks on a white background.

Color Contrast Check

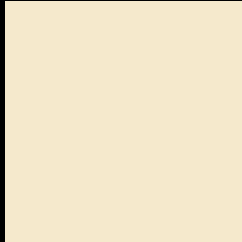
Large Text (above 18pt) WCAG AA × Fail

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 77.6942, 82.0499, 68.8690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

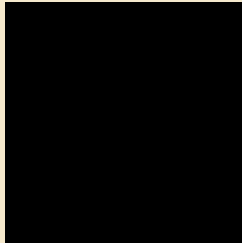
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.6942, 82.0499, 68.8690

Background



This preview shows how black text looks on a background with the XYZ color 77.6942, 82.0499, 68.8690.

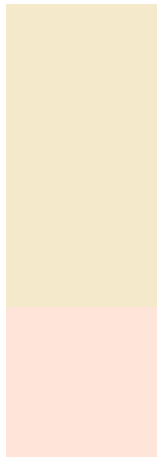


This preview shows how white text looks on a background with the XYZ color 77.6942, 82.0499,

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

77.6942, 82.0499, 68.8690

Protanopia

77.6942, 82.0499, 68.8690

Deuteranopia

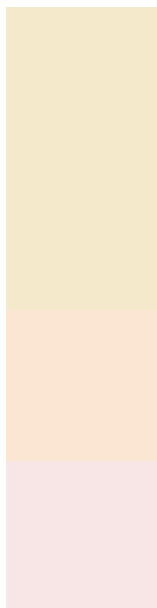
81.5078, 81.7566, 77.1303



Tritanopia

83.3749, 81.8547, 97.7914

Trichromacy



Original Color

77.6942, 82.0499, 68.8690

Protanomaly

77.6942, 82.0499, 68.8690

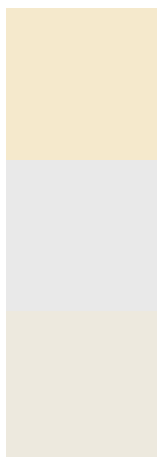
Deuteranomaly

79.9641, 81.8563, 73.8726

Tritanomaly

81.0136, 81.7083, 86.3643

Monochromacy



Original Color

77.6942, 82.0499, 68.8690

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.2488, 81.5563, 80.7777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6942, 82.0499, 68.8690 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(245, 233, 204) looks like.

```
.text, #text, p{  
    color:rgb(245, 233, 204)  
}
```

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(245, 233, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 233, 204) }
```

Border

The CSS property to change the border of an element to XYZ 77.6942, 82.0499, 68.8690 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(245, 233, 204) }
```


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

```
.border{ border-color:rgb(245, 233, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 233, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 233, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 233, 204);  
box-shadow:4px 4px 4px 4px rgb(245, 233,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6942, 82.0499, 68.8690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 233, 204) }
```

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

```
.background{ background-color: rgb(245,  
233, 204) }
```

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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