

Converting Colors

XYZ(78.3153, 80.1835, 34.4748)

Have a look what the booklet for
XYZ(78.3153, 80.1835, 34.4748)
contains.

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Color

**XYZ(72.8803, 77.4303,
34.3969)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE288
RGB	255, 226, 136
RGB Percent	100%, 89%, 53%
CMY	0.0000, 0.1137, 0.4667
CMYK	0.00, 0.11, 0.47, 0.00
HSL	45°, 100%, 77%
HSV	45°, 47%, 100%
XYZ	72.8803, 77.4303, 34.3969
YIQ	224.4110, 46.1740, -21.8420

Conversions

Conversions Part 2

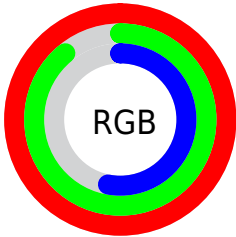
Format	Color
R_{YB}	174, 255, 136
Decimal	16769672
CIE _{Lab}	90.52, -1.49, 47.44
CIE _{LCh}	91, 47.465, 91.801
Yxy	77.4303, 0.3946, 0.4192
Android (android.graphics.Color)	4294959752 (0xFFFFE288)
YUV	224.4110, -43.5866, 26.8266
Hunter-Lab	87.9945, -6.1500, 38.4198

Details

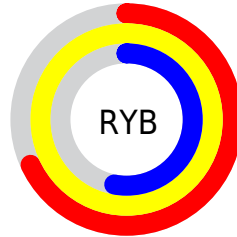
The XYZ color **72.8803, 77.4303, 34.3969** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.6581, 39.3632, 100.0097**, and the grayscale version is **71.4265, 75.1462, 81.8342**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **38.9281, 41.5017, 14.3464** is the 20% darker color. If you saturate the color by 10%, you get **69.6209, 73.4749, 25.4084**, and if you desaturate by 10%, it is **76.6358, 81.6879, 45.6793**.

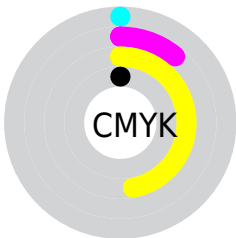
Distribution



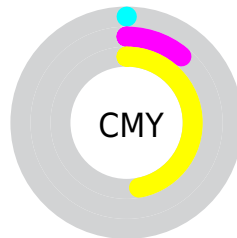
- Red (100%)
- Green (89%)
- Blue (53%)



- Red (68%)
- Yellow (100%)
- Blue (53%)



- Cyan (0%)
- Magenta (11%)
- Yellow (47%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.8803, 77.4303, 34.3969 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 72.8803, 77.4303, 34.3969 by changing the saturation by 10% instead.


 72.8803, 77.4303,
34.3969

 72.8803, 77.4303,
34.3969


459.7101,
486.2299, 336.7212


 54.1661, 57.6061,
22.9189


 122.3113,
129.7467, 67.6913

 38.9657, 41.4921,
14.3289


 153.7589,
163.0077, 90.3448

 26.9136, 28.7038,
8.2084


 190.1816,
201.5165, 117.5605

 17.6446, 18.8568,
4.1389

231.9448,
245.6573, 149.7570

 10.7933, 11.5669,
1.7019

279.4139,
295.8147, 187.3527

 5.9943, 6.4495,
0.3620

332.9543,

 2.8822, 3.1203,

352.3730, 230.7663

0.0000

392.9312,
415.7166, 280.4163

■ 1.0918, 1.1948,
0.0000

■ 0.0182, 0.0575,
0.0000

■ 72.8803, 77.4303,
34.3969

■ 72.8803, 77.4303,
34.3969

■ 69.6209, 73.4749,
25.4084

■ 76.6358, 81.6879,
45.6793

■ 66.8203, 69.7971,
18.5453

■ 80.9104, 86.2492,
59.3985

■ 64.4445, 66.3850,
13.6234

■ 85.7323, 91.1293,
75.6914

■ 62.4514, 63.2210,
10.4249

■ 91.1259, 96.3391,
94.6833

■ 60.7886, 60.2828,
8.6760

95.0499, 99.9999,
108.9000

■ 60.2812, 59.3425,
8.2771

Harmonies

Analogous

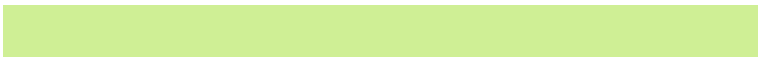
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9162, 77.4303, 38.8245



72.8803, 77.4303, 34.3969



62.2107, 77.4303, 40.0623

Triad

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



72.8803, 77.4303, 34.3969



55.8512, 77.4303, 123.6596



95.5991, 77.4303, 119.1235

Complementary

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



72.8803, 77.4303, 34.3969



41.6581, 39.3632, 100.0097

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.



86.2901, 77.4303, 152.9603



72.8803, 77.4303, 34.3969



63.3279, 77.4303, 156.0361

Square

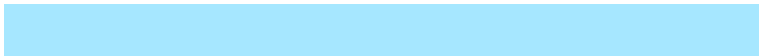
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.8803, 77.4303, 34.3969



53.0579, 77.4303, 86.3792



74.3147, 77.4303, 167.9752



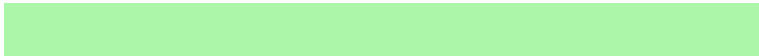
98.8470, 77.4303, 82.2710

Rectangle

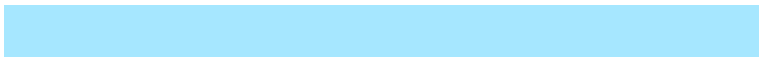
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.8803, 77.4303, 34.3969



57.0759, 77.4303, 50.0013



74.3147, 77.4303, 167.9752



93.0290, 77.4303, 131.5369

Sweetspot

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



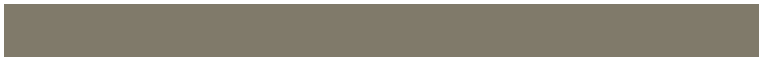
72.8822, 77.4339, 34.3985



87.1134, 92.4856, 80.4852



56.9046, 41.6131, 40.9901



18.4059, 19.5604, 16.3934



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.



72.8822, 77.4339, 34.3985



69.8235, 73.7297, 25.9388



71.3335, 89.3453, 36.7792



19.1643, 20.2967, 19.0519



31.6212, 31.2537, 4.3659



3.1640, 3.2134, 0.4535

Inverse Universe

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



41.6581, 39.3632, 100.0097



35.1901, 31.5430, 98.8414



42.5284, 32.9093, 98.7181



17.3624, 18.0964, 22.8278



10.4320, 5.7736, 49.9992



1.0968, 0.7242, 4.8953

Previews

White Background



This preview shows how the XYZ color 72.8803, 77.4303, 34.3969 looks on a white background.

Color Contrast Check

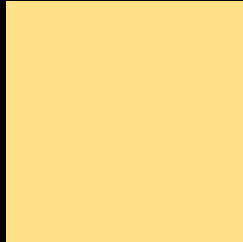
Large Text (above 18pt) WCAG AA × Fail

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 72.8803, 77.4303, 34.3969 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 72.8803, 77.4303, 34.3969

Background



This preview shows how black text looks on a background with the XYZ color 72.8803, 77.4303, 34.3969.



This preview shows how white text looks on a background with the XYZ color 72.8803, 77.4303,

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

72.8803, 77.4303, 34.3969

Protanopia

71.3257, 77.4327, 34.8536

Deuteranopia

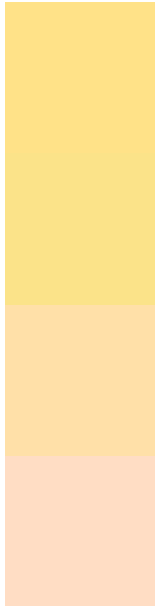
76.5973, 77.6232, 57.9594



Tritanopia

80.5943, 77.1160, 85.5000

Trichromacy



Original Color

72.8803, 77.4303, 34.3969

Protanomaly

71.7681, 77.2535, 34.7958

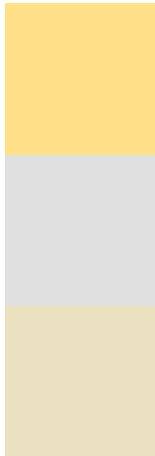
Deuteranomaly

74.9635, 77.3985, 48.0342

Tritanomaly

77.0603, 76.9584, 63.0175

Monochromacy



Original Color

72.8803, 77.4303, 34.3969

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.7006, 75.3184, 60.6807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.8803, 77.4303, 34.3969 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, 226, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 136)  
}
```

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, 226, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 136) }
```

Border

The CSS property to change the border of an element to XYZ 72.8803, 77.4303, 34.3969 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, 226, 136) }
```


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

```
.border{ border-color:rgb(255, 226, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 72.8803, 77.4303, 34.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 136) }
```

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

```
.background{ background-color: rgb(255,  
226, 136) }
```

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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