

Converting Colors

XYZ(72.4658, 80.1994, 43.4194)

Have a look what the booklet for
XYZ(72.4658, 80.1994, 43.4194)
contains.

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Color

**XYZ(72.4708, 80.3346,
43.5848)**

Conversions

Conversions Part 1

Format	Color
Hex	F3EA9D
RGB	243, 234, 157
RGB Percent	95%, 92%, 62%
CMY	0.0471, 0.0823, 0.3843
CMYK	0.00, 0.04, 0.35, 0.05
HSL	54°, 78%, 78%
HSV	54°, 35%, 95%
XYZ	72.4708, 80.3346, 43.5848
YIQ	227.9130, 30.0810, -22.0390

Conversions

Conversions Part 2

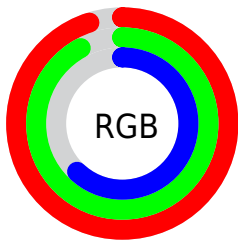
Format	Color
RYB	167, 243, 157
Decimal	15985309
CIELab	91.83, -8.02, 38.53
CIELCh	92, 39.351, 101.760
Yxy	80.3346, 0.3690, 0.4091
Android (android.graphics.Color)	4294175389 (0xFFF3EA9D)
YUV	227.9130, -34.9601, 13.2313
Hunter-Lab	89.6296, -12.5240, 33.9093

Details

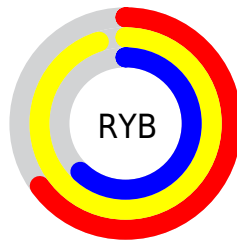
The XYZ color **72.4708, 80.3346, 43.5848** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.7184, 40.9106, 90.3865**, and the grayscale version is **73.9131, 77.7623, 84.6832**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **38.7199, 43.2998, 19.6815** is the 20% darker color. If you saturate the color by 10%, you get **69.8815, 78.1523, 33.4844**, and if you desaturate by 10%, it is **75.4872, 82.7101, 55.8650**.

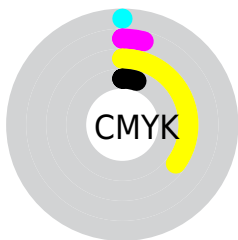
Distribution



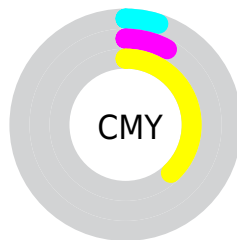
- Red (95%)
- Green (92%)
- Blue (62%)



- Red (65%)
- Yellow (95%)
- Blue (62%)



- Cyan (0%)
- Magenta (4%)
- Yellow (35%)
- Black (5%)





- Cyan (5%)
- Magenta (8%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.4708, 80.3346, 43.5848 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 72.4708, 80.3346, 43.5848 by changing the saturation by 10% instead.


 72.4708, 80.3346,
43.5848


 72.4708, 80.3346,
43.5848


458.3109,
496.0597, 377.0029

 53.8302, 59.9937,
30.0094


 121.7328,
133.8361, 81.8884

 38.6960, 43.4136,
19.5936


 153.0850,
167.7654, 107.4537

 26.7030, 30.2098,
11.9189


189.4050,
206.9931, 137.8528

 17.4857, 19.9979,
6.5666

231.0583,
251.9035, 173.5041

 10.6789, 12.3935,
3.1183

278.4101,
302.8809, 214.8262

 5.9170, 7.0123,
1.1553

331.8259,

 2.8349, 3.4698,

360.3099, 262.2377

0.0000

391.6711,
424.5747, 316.1571

■ 1.0670, 1.3816,
0.0000

■ 0.0000, 0.2031,
0.0000

■ 72.4708, 80.3346,
43.5848

■ 72.4708, 80.3346,
43.5848

■ 69.8815, 78.1523,
33.4844

■ 75.4872, 82.7101,
55.8650

■ 67.6886, 76.1422,
25.4292

■ 78.9471, 85.2768,
70.4387

■ 65.8668, 74.2970,
19.2777

■ 82.8737, 88.0469,
87.4180

■ 64.3854, 72.6045,
14.8682

■ 87.2865, 91.0283,
106.9058

63.2086, 71.0500,
12.0121

88.1854, 92.6210,
107.8375

62.2921, 69.6160,
10.4769

88.9667, 94.1837,
108.0980

61.9264, 68.9831,
10.0512

89.7586, 95.7676,
108.3619

90.5613, 97.3728,
108.6295

90.7722, 97.7947,
108.6998

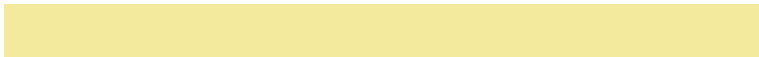
Harmonies

Analogous

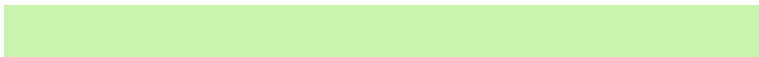
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5879, 80.3346, 44.6140



72.4708, 80.3346, 43.5848



64.1541, 80.3346, 52.2376

Triad

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



72.4708, 80.3346, 43.5848



62.7838, 80.3346, 129.9210



96.2951, 80.3346, 106.0317

Complementary

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



72.4708, 80.3346, 43.5848



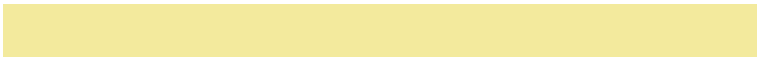
43.7184, 40.9106, 90.3865

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.



90.0137, 80.3346, 135.7858



72.4708, 80.3346, 43.5848



70.4451, 80.3346, 151.5350

Square

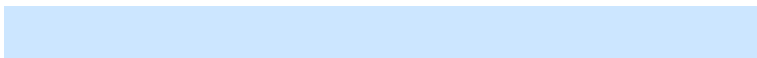
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4708, 80.3346, 43.5848



58.8997, 80.3346, 99.2861



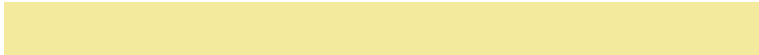
80.3769, 80.3346, 153.8908



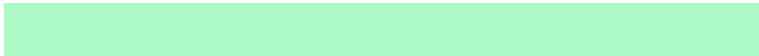
96.9589, 80.3346, 76.6320

Rectangle

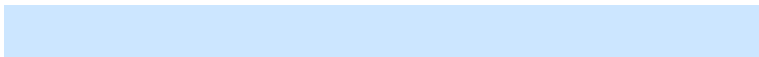
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.4708, 80.3346, 43.5848



60.5133, 80.3346, 63.7349



80.3769, 80.3346, 153.8908



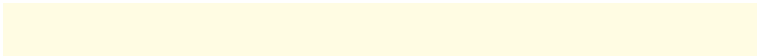
94.7465, 80.3346, 116.4702

Sweetspot

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



72.4728, 80.3383, 43.5865



89.9295, 96.4658, 86.5168



55.9979, 45.9608, 42.4963



19.1232, 20.5586, 17.9776



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.



72.4728, 80.3383, 43.5865



78.8676, 87.9754, 40.7997



64.7248, 80.2424, 43.9763



17.7579, 19.0000, 17.5290



34.0466, 37.9787, 5.5362



3.0341, 3.4215, 0.5005

Inverse Universe

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



43.7184, 40.9106, 90.3865



42.6602, 38.3376, 99.7592



49.4624, 41.5289, 90.2031



15.7206, 16.2055, 20.8420



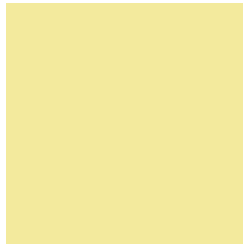
9.1198, 4.0333, 46.8359



0.8469, 0.4453, 4.1315

Previews

White Background



This preview shows how the XYZ color 72.4708, 80.3346, 43.5848 looks on a white background.

Color Contrast Check

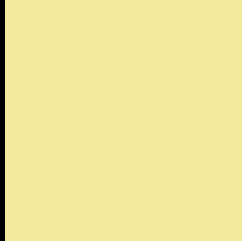
Large Text (above 18pt) WCAG AA × Fail

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 72.4708, 80.3346, 43.5848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

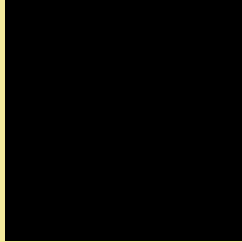
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.4708, 80.3346, 43.5848

Background



This preview shows how black text looks on a background with the XYZ color 72.4708, 80.3346, 43.5848.



This preview shows how white text looks on a background with the XYZ color 72.4708, 80.3346,

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

72.4708, 80.3346, 43.5848

Protanopia

74.3603, 80.0614, 42.9867

Deuteranopia

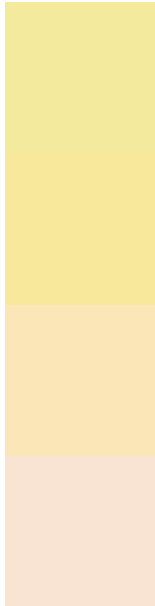
79.1344, 80.3683, 65.9854



Tritanopia

82.7729, 80.0089, 94.2997

Trichromacy



Original Color

72.4708, 80.3346, 43.5848

Protanomaly

73.5688, 80.0700, 43.0301

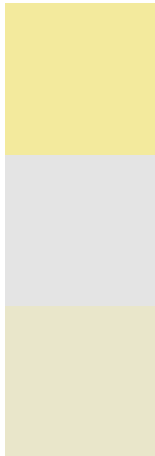
Deuteranomaly

76.7322, 80.5636, 56.8535

Tritanomaly

78.1689, 79.7311, 72.2425

Monochromacy



Original Color

72.4708, 80.3346, 43.5848

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.5618, 78.1815, 67.1432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4708, 80.3346, 43.5848 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(243, 234, 157)` looks like.

```
.text, #text, p{  
    color:rgb(243, 234, 157)  
}
```

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(243, 234, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 234, 157) }
```

Border

The CSS property to change the border of an element to XYZ 72.4708, 80.3346, 43.5848 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(243, 234, 157) }
```


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

```
.border{ border-color:rgb(243, 234, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 234, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 234, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 234, 157);  
box-shadow:4px 4px 4px 4px rgb(243, 234,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4708, 80.3346, 43.5848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 234, 157) }
```

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

```
.background{ background-color: rgb(243,  
234, 157) }
```

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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