

Converting Colors

XYZ(72.4689, 80.3686, 43.0998)

Have a look what the booklet for
XYZ(72.4689, 80.3686, 43.0998)
contains.

XYZ(72.3857, 80.3006, 43.1369)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.3857, 80.3006,
43.1369)**

Conversions

Conversions Part 1

Format	Color
Hex	F3EA9C
RGB	243, 234, 156
RGB Percent	95%, 92%, 61%
CMY	0.0471, 0.0823, 0.3882
CMYK	0.00, 0.04, 0.36, 0.05
HSL	54°, 78%, 78%
HSV	54°, 36%, 95%
XYZ	72.3857, 80.3006, 43.1369
YIQ	227.7990, 30.4020, -22.3500

Conversions

Conversions Part 2

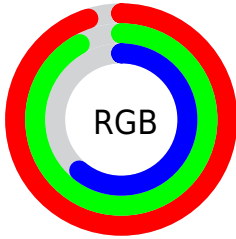
Format	Color
R _Y B	166, 243, 156
Decimal	15985308
CIE Lab	91.82, -8.13, 39.01
CIE LCh	92, 39.845, 101.779
Yxy	80.3006, 0.3696, 0.4101
Android (android.graphics.Color)	4294175388 (0xFFF3EA9C)
YUV	227.7990, -35.3969, 13.3313
Hunter-Lab	89.6106, -12.6297, 34.1863

Details

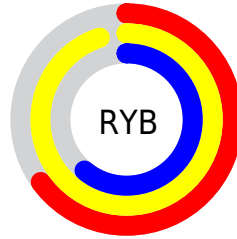
The XYZ color **72.3857, 80.3006, 43.1369** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.3429, 40.4481, 90.3169**, and the grayscale version is **73.8326, 77.6776, 84.5909**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **38.6688, 43.2794, 19.4124** is the 20% darker color. If you saturate the color by 10%, you get **69.8211, 78.1413, 33.1260**, and if you desaturate by 10%, it is **75.3761, 82.6522, 55.3224**.

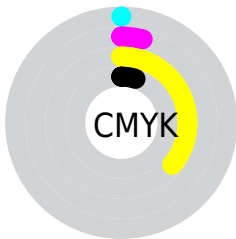
Distribution



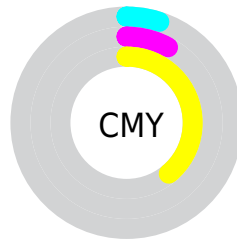
- Red (95%)
- Green (92%)
- Blue (61%)



- Red (65%)
- Yellow (95%)
- Blue (61%)



- Cyan (0%)
- Magenta (4%)
- Yellow (36%)
- Black (5%)





- Cyan (5%)
- Magenta (8%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.3857, 80.3006, 43.1369 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 72.3857, 80.3006, 43.1369 by changing the saturation by 10% instead.


 72.3857, 80.3006,
43.1369


 72.3857, 80.3006,
43.1369


458.0198,
495.9453, 375.1122

 53.7604, 59.9657,
29.6603


 121.6126,
133.7883, 81.2060

 38.6400, 43.3910,
19.3311


 152.9449,
167.7099, 106.6356

 26.6593, 30.1920,
11.7305


189.2435,
206.9292, 136.8866

 17.4528, 19.9844,
6.4401

230.8739,
251.8306, 172.3776

 10.6551, 12.3837,
3.0414

278.2014,
302.7986, 213.5272

 5.9010, 7.0056,
1.1158

331.5913,

 2.8251, 3.4656,

360.2174, 260.7537

0.0000

391.4090,
424.4715, 314.4759

■ 1.0619, 1.3794,
0.0000

■ 0.0000, 0.2014,
0.0000

■ 72.3857, 80.3006,
43.1369

■ 72.3857, 80.3006,
43.1369

■ 69.8211, 78.1413,
33.1260

■ 75.3761, 82.6522,
55.3224

■ 67.6516, 76.1534,
25.1546

■ 78.8091, 85.1941,
69.7967

■ 65.8517, 74.3294,
19.0806

■ 82.7075, 87.9387,
86.6720

■ 64.3908, 72.6570,
14.7413

■ 87.0912, 90.8938,
106.0517

■ 63.2325, 71.1216,
11.9468

■ 88.1406, 92.5316,
107.8226

■ 62.3322, 69.7054,
10.4622

■ 88.9123, 94.0749,
108.0798

■ 62.0021, 69.1346,
10.0765

■ 89.6943, 95.6390,
108.3405

■ 90.4867, 97.2239,
108.6047

■ 90.7722, 97.7947,
108.6998

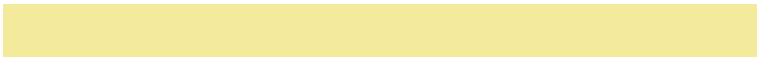
Harmonies

Analogous

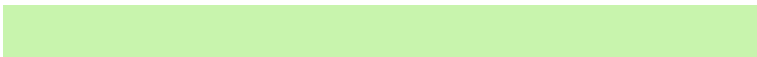
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6276, 80.3006, 44.1660



72.3857, 80.3006, 43.1369



63.9770, 80.3006, 51.8525

Triad

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



72.3857, 80.3006, 43.1369



62.6002, 80.3006, 130.4952



96.5295, 80.3006, 106.2177

Complementary

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



72.3857, 80.3006, 43.1369



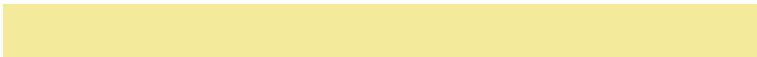
43.3429, 40.4481, 90.3169

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.



90.1638, 80.3006, 136.4173



72.3857, 80.3006, 43.1369



70.3481, 80.3006, 152.4457

Square

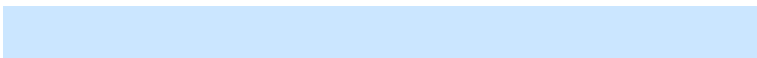
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3857, 80.3006, 43.1369



58.6737, 80.3006, 99.4199



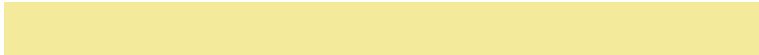
80.4012, 80.3006, 154.8269



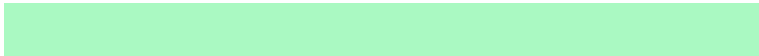
97.1988, 80.3006, 76.4518

Rectangle

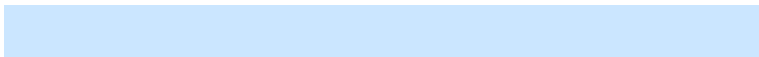
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.3857, 80.3006, 43.1369



60.2998, 80.3006, 63.4516



80.4012, 80.3006, 154.8269



94.9602, 80.3006, 116.8050

Sweetspot

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



72.3877, 80.3043, 43.1386



89.9401, 96.4870, 86.5204



55.7479, 45.5912, 42.0113



19.1258, 20.5637, 17.9784



0.0000, 0.0000, 0.0000



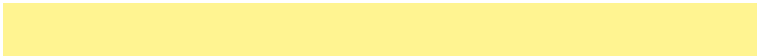
20.3446, 21.4041, 23.3091

Same Dimension

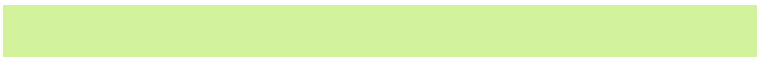
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.3877, 80.3043, 43.1386



78.6277, 87.8147, 39.7356



64.5306, 80.1520, 43.5233



17.7597, 19.0036, 17.5296



34.0876, 38.0609, 5.5499



3.0373, 3.4278, 0.5016

Inverse Universe

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



43.3429, 40.4481, 90.3169



41.7927, 37.2793, 99.6006



49.1401, 41.1126, 90.1396



15.7190, 16.2023, 20.8414



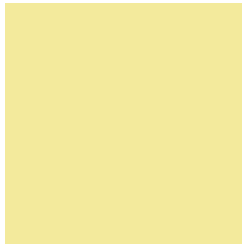
9.1159, 4.0256, 46.8346



0.8462, 0.4438, 4.1313

Previews

White Background



This preview shows how the XYZ color 72.3857, 80.3006, 43.1369 looks on a white background.

Color Contrast Check

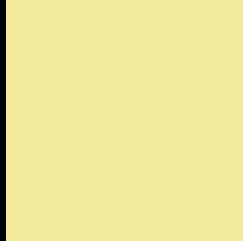
Large Text (above 18pt) WCAG AA × Fail

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 72.3857, 80.3006, 43.1369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

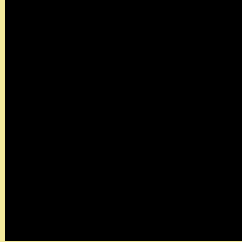
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.3857, 80.3006, 43.1369

Background



This preview shows how black text looks on a background with the XYZ color 72.3857, 80.3006, 43.1369.



This preview shows how white text looks on a background with the XYZ color 72.3857, 80.3006,

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

72.3857, 80.3006, 43.1369

Protanopia

74.2760, 80.0276, 42.5425

Deuteranopia

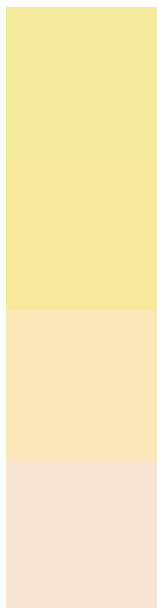
79.1344, 80.3683, 65.9854



Tritanopia

82.7729, 80.0089, 94.2997

Trichromacy



Original Color

72.3857, 80.3006, 43.1369

Protanomaly

73.4844, 80.0362, 42.5858

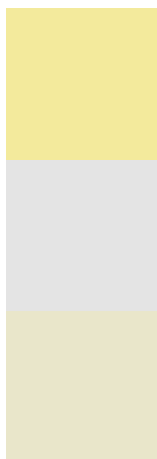
Deuteranomaly

76.7322, 80.5636, 56.8535

Tritanomaly

78.1689, 79.7311, 72.2425

Monochromacy



Original Color

72.3857, 80.3006, 43.1369

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 72.3857, 80.3006, 43.1369 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, 156)` looks like.

```
.text, #text, p{  
    color:rgb(243, 234, 156)  
}
```

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, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 234, 156) }
```

Border

The CSS property to change the border of an element to XYZ 72.3857, 80.3006, 43.1369 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, 156) }
```


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

```
.border{ border-color:rgb(243, 234, 156) }
```

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, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 234, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 234, 156);  
box-shadow:4px 4px 4px 4px rgb(243, 234,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3857, 80.3006, 43.1369 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, 156) }
```

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

```
.background{ background-color: rgb(243,  
234, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor