

Converting Colors

XYZ(71.5355, 80.7300, 40.5706)

Have a look what the booklet for
XYZ(71.5355, 80.7300, 40.5706)
contains.

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Color

**XYZ(71.4357, 80.7182,
40.6693)**

Conversions

Conversions Part 1

Format	Color
Hex	F0EC96
RGB	240, 236, 150
RGB Percent	94%, 93%, 59%
CMY	0.0588, 0.0745, 0.4118
CMYK	0.00, 0.02, 0.37, 0.06
HSL	57°, 75%, 76%
HSV	57°, 37%, 94%
XYZ	71.4357, 80.7182, 40.6693
YIQ	227.3920, 29.9900, -25.8980

Conversions

Conversions Part 2

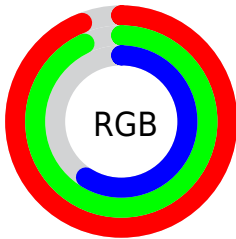
Format	Color
RYB	154, 240, 150
Decimal	15789206
CIELab	92.01, -10.94, 42.18
CIELCh	92, 43.580, 104.544
Yxy	80.7182, 0.3705, 0.4186
Android (android.graphics.Color)	4293979286 (0xFFFF0EC96)
YUV	227.3920, -38.1543, 11.0572
Hunter-Lab	89.8433, -15.2979, 36.0516

Details

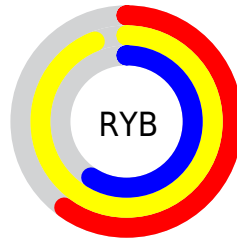
The XYZ color **71.4357, 80.7182, 40.6693** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.8614, 35.8856, 87.2639**, and the grayscale version is **73.5548, 77.3854, 84.2727**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **38.0543, 43.5916, 17.9636** is the 20% darker color. If you saturate the color by 10%, you get **69.3928, 79.4147, 31.4107**, and if you desaturate by 10%, it is **73.8803, 82.1911, 52.0163**.

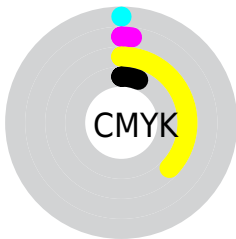
Distribution



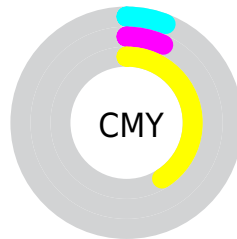
- Red (94%)
- Green (93%)
- Blue (59%)



- Red (60%)
- Yellow (94%)
- Blue (59%)



- Cyan (0%)
- Magenta (2%)
- Yellow (37%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4357, 80.7182, 40.6693 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 71.4357, 80.7182, 40.6693 by changing the saturation by 10% instead.

71.4357, 80.7182,
40.6693

71.4357, 80.7182,
40.6693

454.7633,
497.3499, 364.5722

52.9816, 60.3095,
27.7430

120.2691,
134.3750, 77.4298

38.0155, 43.6682,
17.8947

151.3791,
168.3920, 102.1012

26.1720, 30.4097,
10.7057

187.4384,
207.7138, 131.5246

17.0857, 20.1498,
5.7577

228.8125,
252.7249, 166.1187

10.3913, 12.5040,
2.6319

275.8667,
303.8096, 206.3019

5.7234, 7.0879,
0.9089

328.9663,

2.7167, 3.5171,

361.3525, 252.4929

0.0000

388.4767,
425.7378, 305.1101

■ 1.0058, 1.4073,
0.0000

■ 0.0000, 0.2221,
0.0000

■ 71.4357, 80.7182,
40.6693

■ 71.4357, 80.7182,
40.6693

■ 69.3928, 79.4147,
31.4107

■ 73.8803, 82.1911,
52.0163

■ 67.7212, 78.2598,
24.1074

■ 76.7428, 83.8311,
65.5639

■ 66.3959, 77.2463,
18.6188

■ 80.0459, 85.6504,
81.4224

■ 65.3863, 76.3620,
14.7835

■ 83.8088, 87.6565,
99.6931

■ 64.6563, 75.5924,
12.4115

■ 85.5387, 88.8523,
107.2496

■ 64.1581, 74.9185,
11.2516

■ 85.8555, 89.4859,
107.3552

■ 64.0513, 74.7575,
11.0538

■ 86.1741, 90.1231,
107.4614

■ 86.4946, 90.7641,
107.5682

■ 86.8170, 91.4088,
107.6757

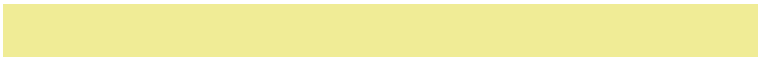
Harmonies

Analogous

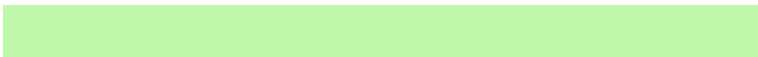
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6064, 80.7182, 40.8214



71.4357, 80.7182, 40.6693



62.5776, 80.7182, 50.8383

Triad

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



71.4357, 80.7182, 40.6693



62.3663, 80.7182, 138.6662



99.4166, 80.7182, 105.3791

Complementary

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



71.4357, 80.7182, 40.6693



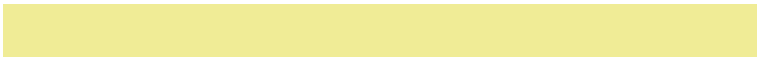
39.8614, 35.8856, 87.2639

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.



92.8477, 80.7182, 139.6088



71.4357, 80.7182, 40.6693



71.1206, 80.7182, 161.7854

Square

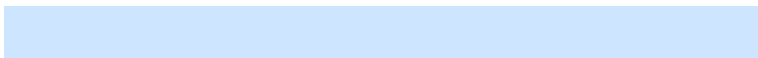
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.4357, 80.7182, 40.6693



57.6978, 80.7182, 104.3129



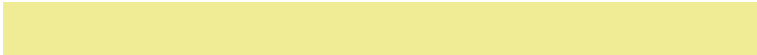
82.2592, 80.7182, 162.1672



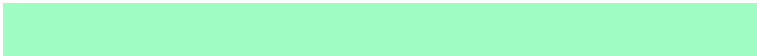
99.5221, 80.7182, 73.2853

Rectangle

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



71.4357, 80.7182, 40.6693



58.8643, 80.7182, 63.9452



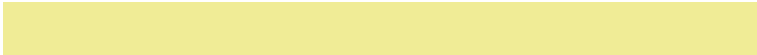
82.2592, 80.7182, 162.1672



97.8647, 80.7182, 117.1670

Sweetspot

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



71.4377, 80.7219, 40.6710



90.4624, 97.5316, 86.6945



52.7167, 42.6887, 36.2530



19.2512, 20.8145, 18.0202



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

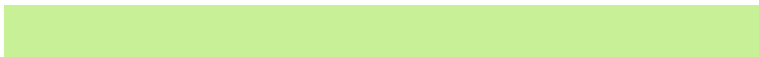
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4377, 80.7219, 40.6710



80.1490, 91.4747, 38.3398



60.3518, 76.7331, 40.4854



17.0593, 18.3317, 16.7890



35.0896, 40.9773, 6.0600



2.9376, 3.4459, 0.5103

Inverse Universe

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



39.8614, 35.8856, 87.2639



39.0852, 33.1728, 98.9507



47.9956, 39.1166, 87.4588



14.9535, 15.3411, 19.8946



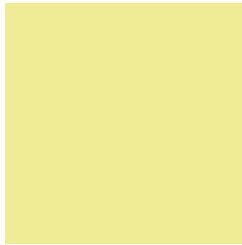
8.6983, 3.6208, 45.3683



0.7433, 0.3405, 3.7808

Previews

White Background



This preview shows how the XYZ color 71.4357, 80.7182, 40.6693 looks on a white background.

Color Contrast Check

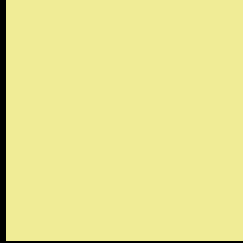
Large Text (above 18pt) WCAG AA × Fail

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 71.4357, 80.7182, 40.6693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

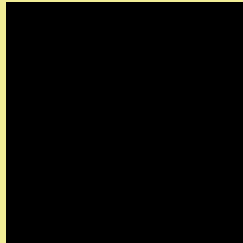
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.4357, 80.7182, 40.6693

Background



This preview shows how black text looks on a background with the XYZ color 71.4357, 80.7182, 40.6693.



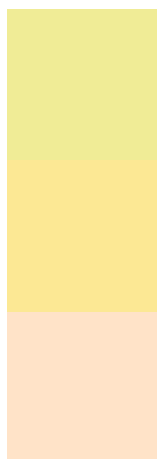
This preview shows how white text looks on a background with the XYZ color 71.4357, 80.7182,

40.6693.

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

71.4357, 80.7182, 40.6693

Protanopia

74.3468, 80.5468, 39.6456

Deuteranopia

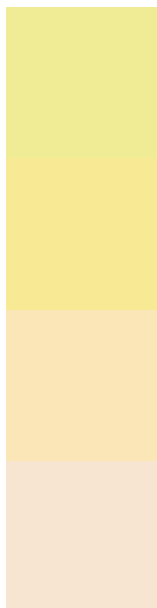
79.1344, 80.3683, 65.9854



Tritanopia

82.7359, 80.7705, 95.2340

Trichromacy



Original Color

71.4357, 80.7182, 40.6693

Protanomaly

73.2751, 80.4042, 40.0913

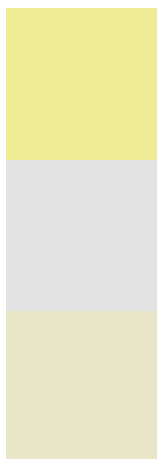
Deuteranomaly

76.1647, 80.2950, 55.7401

Tritanomaly

77.8857, 80.4162, 71.7385

Monochromacy



Original Color

71.4357, 80.7182, 40.6693

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.8843, 77.8730, 65.2751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4357, 80.7182, 40.6693 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(240, 236, 150)` looks like.

```
.text, #text, p{  
    color:rgb(240, 236, 150)  
}
```

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(240, 236, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 236, 150) }
```

Border

The CSS property to change the border of an element to XYZ 71.4357, 80.7182, 40.6693 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(240, 236, 150) }
```


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

```
.border{ border-color:rgb(240, 236, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 236, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 236, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 236, 150);  
box-shadow:4px 4px 4px 4px rgb(240, 236,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4357, 80.7182, 40.6693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 236, 150) }
```

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

```
.background{ background-color: rgb(240,  
236, 150) }
```

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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