

Converting Colors

XYZ(73.1976, 80.3784, 46.8911)

Have a look what the booklet for
XYZ(73.1976, 80.3784, 46.8911)
contains.

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Color

**XYZ(73.1480, 80.1913,
46.7451)**

Conversions

Conversions Part 1

Format	Color
Hex	F4E9A4
RGB	244, 233, 164
RGB Percent	96%, 91%, 64%
CMY	0.0431, 0.0862, 0.3569
CMYK	0.00, 0.05, 0.33, 0.04
HSL	52°, 78%, 80%
HSV	52°, 33%, 96%
XYZ	73.1480, 80.1913, 46.7451
YIQ	228.4230, 28.7050, -19.1270

Conversions

Conversions Part 2

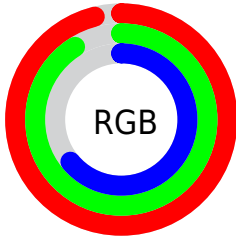
Format	Color
RYB	177, 244, 164
Decimal	16050596
CIELab	91.77, -6.33, 34.93
CIELCh	92, 35.503, 100.263
Yxy	80.1913, 0.3656, 0.4008
Android (android.graphics.Color)	4294240676 (0xFFFF4E9A4)
YUV	228.4230, -31.7605, 13.6610
Hunter-Lab	89.5496, -10.9052, 31.7352

Details

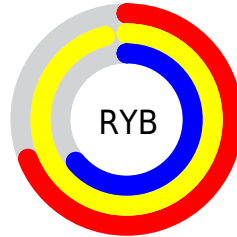
The XYZ color **73.1480, 80.1913, 46.7451** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **46.9687, 45.0828, 91.8144**, and the grayscale version is **74.2651, 78.1327, 85.0865**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **39.0849, 43.1568, 21.3090** is the 20% darker color. If you saturate the color by 10%, you get **70.2130, 77.5156, 35.9188**, and if you desaturate by 10%, it is **76.5279, 83.0795, 59.8071**.

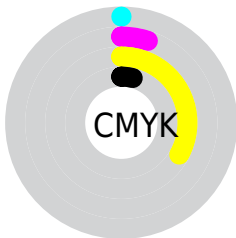
Distribution



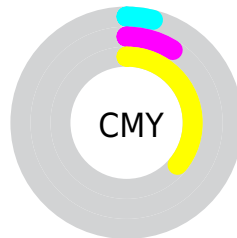
- Red (96%)
- Green (91%)
- Blue (64%)



- Red (69%)
- Yellow (96%)
- Blue (64%)



- Cyan (0%)
- Magenta (5%)
- Yellow (33%)
- Black (4%)





- Cyan (4%)
- Magenta (9%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1480, 80.1913, 46.7451 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 73.1480, 80.1913, 46.7451 by changing the saturation by 10% instead.


 73.1480, 80.1913,
46.7451


 73.1480, 80.1913,
46.7451


460.6234,
495.5773, 390.1604

 54.3858, 59.8758,
32.4813


 122.6893,
133.6347, 86.6790

 39.1421, 43.3185,
21.4615


 154.1991,
167.5313, 113.1862

 27.0515, 30.1351,
13.2673


190.6888,
206.7238, 144.6116

 17.7487, 19.9412,
7.4800

232.5238,
251.5964, 181.3737

 10.8683, 12.3523,
3.6811

280.0694,
302.5337, 223.8911

 6.0450, 6.9841,
1.4521

333.6909,

 2.9134, 3.4521,

359.9201, 272.5823

0.1818

393.7539,
424.1398, 327.8659

■ 1.1081, 1.3721,
0.0000

■ 0.0319, 0.1960,
0.0000

■ 73.1480, 80.1913,
46.7451

■ 73.1480, 80.1913,
46.7451

■ 70.2130, 77.5156,
35.9188

■ 76.5279, 83.0795,
59.8071

■ 67.6924, 75.0316,
27.1955

■ 80.3690, 86.1784,
75.2175

■ 65.5615, 72.7319,
20.4361

■ 84.6942, 89.5000,
93.0872

■ 63.7902, 70.6045,
15.4826

■ 88.4417, 92.6199,
107.8238

■ 62.3437, 68.6353,
12.1528

■ 89.4732, 94.6829,
108.1676

■ 61.1801, 66.8072,
10.2259

■ 90.5232, 96.7830,
108.5176

■ 60.4706, 65.5578,
9.4668

■ 91.1183, 97.9731,
108.7160

Harmonies

Analogous

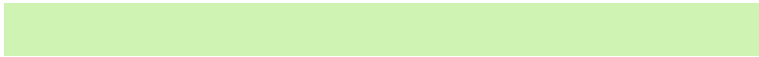
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2747, 80.1913, 48.1699



73.1480, 80.1913, 46.7451



65.4736, 80.1913, 54.4206

Triad

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



73.1480, 80.1913, 46.7451



63.6465, 80.1913, 123.8204



93.8803, 80.1913, 105.3305

Complementary

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



73.1480, 80.1913, 46.7451



46.9687, 45.0828, 91.8144

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.



88.0811, 80.1913, 131.3458



73.1480, 80.1913, 46.7451



70.4688, 80.1913, 143.4041

Square

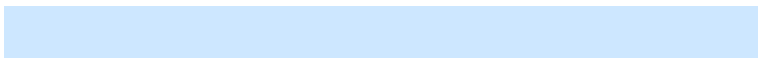
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1480, 80.1913, 46.7451



60.2840, 80.1913, 96.5389



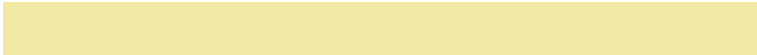
79.3756, 80.1913, 146.4030



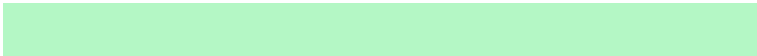
94.7413, 80.1913, 78.6976

Rectangle

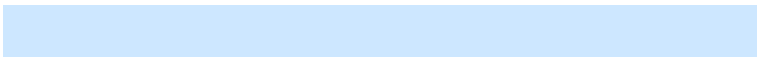
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.1480, 80.1913, 46.7451



62.0297, 80.1913, 64.7677



79.3756, 80.1913, 146.4030



92.4232, 80.1913, 114.5673

Sweetspot

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



73.1500, 80.1949, 46.7468



90.1050, 96.2495, 88.3243



58.4208, 48.9195, 47.4386



19.1469, 20.4929, 18.3341



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

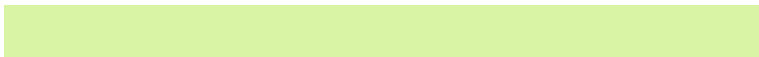
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1500, 80.1949, 46.7468



78.7567, 86.7530, 43.8472



67.3709, 81.9809, 47.3961



17.7091, 18.9024, 17.5127



32.9557, 35.7969, 5.1725



2.9489, 3.2511, 0.4721

Inverse Universe

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



46.9687, 45.0828, 91.8144



45.9018, 42.6999, 100.4304



51.3436, 44.2900, 91.4308



15.7648, 16.2939, 20.8567



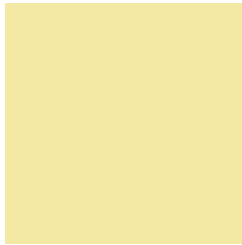
9.2391, 4.2720, 46.8756



0.8679, 0.4871, 4.1385

Previews

White Background



This preview shows how the XYZ color 73.1480, 80.1913, 46.7451 looks on a white background.

Color Contrast Check

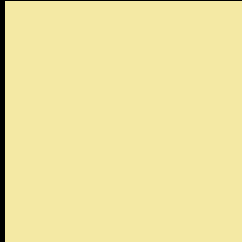
Large Text (above 18pt) WCAG AA × Fail

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 73.1480, 80.1913, 46.7451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

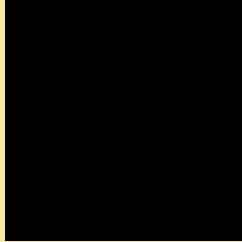
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.1480, 80.1913, 46.7451

Background



This preview shows how black text looks on a background with the XYZ color 73.1480, 80.1913, 46.7451.



This preview shows how white text looks on a background with the XYZ color 73.1480, 80.1913,

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

73.1480, 80.1913, 46.7451

Protanopia

74.6111, 80.1202, 46.1826

Deuteranopia

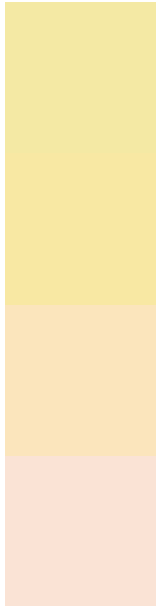
78.9790, 79.8698, 66.5121



Tritanopia

82.7729, 80.0089, 94.2997

Trichromacy



Original Color

73.1480, 80.1913, 46.7451

Protanomaly

74.1789, 80.3140, 46.2428

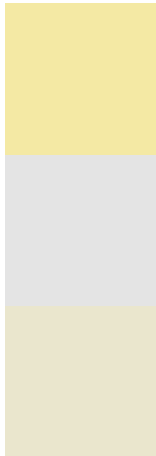
Deuteranomaly

76.8801, 80.1787, 59.0010

Tritanomaly

78.9037, 80.0663, 74.2465

Monochromacy



Original Color

73.1480, 80.1913, 46.7451

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.2479, 78.4938, 69.0479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.1480, 80.1913, 46.7451 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(244, 233, 164)` looks like.

```
.text, #text, p{  
    color:rgb(244, 233, 164)  
}
```

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(244, 233, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 233, 164) }
```

Border

The CSS property to change the border of an element to XYZ 73.1480, 80.1913, 46.7451 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(244, 233, 164) }
```


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

```
.border{ border-color:rgb(244, 233, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 233, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 233, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 233, 164);  
box-shadow:4px 4px 4px 4px rgb(244, 233,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 73.1480, 80.1913, 46.7451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 233, 164) }
```

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

```
.background{ background-color: rgb(244,  
233, 164) }
```

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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