

Converting Colors

XYZ(73.5587, 80.3142, 40.4798)

Have a look what the booklet for
XYZ(73.5587, 80.3142, 40.4798)
contains.

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Color

**XYZ(73.4286, 80.0550,
40.4362)**

Conversions

Conversions Part 1

Format	Color
Hex	F9E896
RGB	249, 232, 150
RGB Percent	98%, 91%, 59%
CMY	0.0235, 0.0902, 0.4118
CMYK	0.00, 0.07, 0.40, 0.02
HSL	50°, 89%, 78%
HSV	50°, 40%, 98%
XYZ	73.4286, 80.0550, 40.4362
YIQ	227.7350, 36.4540, -21.8980

Conversions

Conversions Part 2

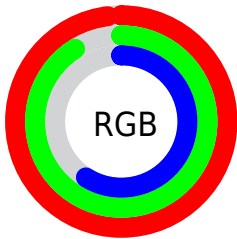
Format	Color
RYB	171, 249, 150
Decimal	16378006
CIELab	91.71, -5.48, 41.95
CIELCh	92, 42.304, 97.439
Yxy	80.0550, 0.3787, 0.4128
Android (android.graphics.Color)	4294568086 (0xFFFF9E896)
YUV	227.7350, -38.3234, 18.6494
Hunter-Lab	89.4735, -10.0881, 35.8362

Details

The XYZ color **73.4286, 80.0550, 40.4362** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.4950, 40.9598, 95.2362**, and the grayscale version is **73.8034, 77.6469, 84.5575**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **39.4126, 43.4025, 17.8555** is the 20% darker color. If you saturate the color by 10%, you get **70.4449, 76.9626, 30.5788**, and if you desaturate by 10%, it is **76.8716, 83.3837, 52.5503**.

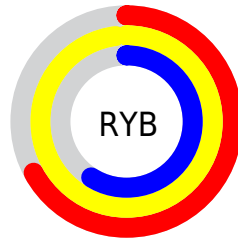
Distribution



Red (98%)

Green (91%)

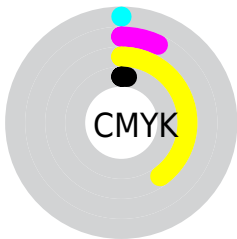
Blue (59%)



Red (67%)

Yellow (98%)

Blue (59%)

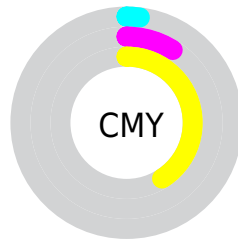


Cyan (0%)

Magenta (7%)

Yellow (40%)

Black (2%)



Cyan (2%)


Magenta (9%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.4286, 80.0550, 40.4362 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 73.4286, 80.0550, 40.4362 by changing the saturation by 10% instead.

 73.4286, 80.0550,
40.4362


 73.4286, 80.0550,
40.4362


461.5797,
495.1182, 363.5653

 54.6161, 59.7636,
27.5624


 123.0853,
133.4431, 77.0716

 39.3271, 43.2281,
17.7599


 154.6603,
167.3085, 101.6704

 27.1961, 30.0642,
10.6101

191.2201,
206.4675, 131.0145

 17.8579, 19.8873,
5.6945

233.1302,
251.3043, 165.5226

 10.9471, 12.3131,
2.5944

280.7558,
302.2034, 205.6132

 6.0983, 6.9573,
0.8896

334.4624,

 2.9462, 3.4354,

359.5491, 251.7048

0.0000

394.6152,
423.7259, 304.2160

■ 1.1254, 1.3631,
0.0000

■ 0.0462, 0.1893,
0.0000

■ 73.4286, 80.0550,
40.4362

■ 73.4286, 80.0550,
40.4362

■ 70.4449, 76.9626,
30.5788

■ 76.8716, 83.3837,
52.5503

■ 67.8872, 74.0842,
22.8297

■ 80.7929, 86.9481,
67.0470

■ 65.7268, 71.4108,
17.0305

■ 85.2177, 90.7613,
84.0487

■ 63.9288, 68.9283,
12.9984

■ 90.1676, 94.8323,
103.6681

■ 62.4516, 66.6196,
10.5157

■ 92.3616, 97.8490,
108.6265

■ 61.2285, 64.4577,
9.2318

■ 92.8769, 98.8797,
108.7983

■ 61.2003, 64.4065,
9.2061

Harmonies

Analogous

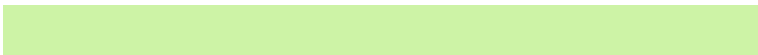
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.3524, 80.0550, 42.9167



73.4286, 80.0550, 40.4362



64.1328, 80.0550, 47.9074

Triad

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



73.4286, 80.0550, 40.4362



60.7408, 80.0550, 128.6256



96.9595, 80.0550, 112.0768

Complementary

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



73.4286, 80.0550, 40.4362



43.4950, 40.9598, 95.2362

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.



89.4478, 80.0550, 143.5351



73.4286, 80.0550, 40.4362



68.3854, 80.0550, 154.5605

Square

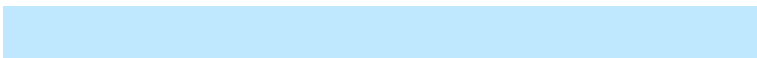
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.4286, 80.0550, 40.4362



57.2725, 80.0550, 95.1083



78.8147, 80.0550, 160.5811



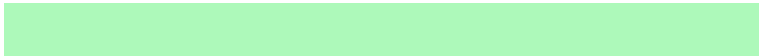
98.6343, 80.0550, 79.6792

Rectangle

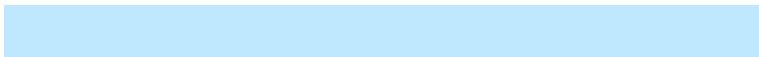
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.4286, 80.0550, 40.4362



59.8712, 80.0550, 58.8762



78.8147, 80.0550, 160.5811



95.0011, 80.0550, 123.3176

Sweetspot

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



73.4306, 80.0587, 40.4379



88.8560, 94.8778, 84.4358



57.0557, 44.7860, 42.7575



18.8849, 20.1935, 17.5545



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

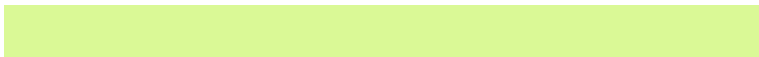
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.4306, 80.0587, 40.4379



74.8658, 81.7819, 33.8853



68.1900, 84.8051, 41.6302



18.4590, 19.6538, 18.2831



32.8522, 34.6611, 4.9588



3.1073, 3.3395, 0.4808

Inverse Universe

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



43.4950, 40.9598, 95.2362



39.1513, 35.1570, 99.3302



47.1443, 38.5193, 94.5728



16.5238, 17.1245, 21.8197



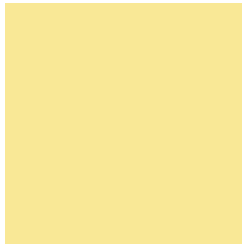
9.6799, 4.7154, 48.3735



0.9618, 0.5672, 4.5020

Previews

White Background



This preview shows how the XYZ color 73.4286, 80.0550, 40.4362 looks on a white background.

Color Contrast Check

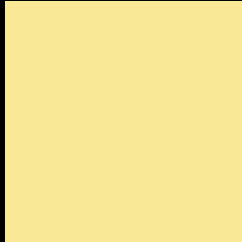
Large Text (above 18pt) WCAG AA × Fail

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 73.4286, 80.0550, 40.4362 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 73.4286, 80.0550, 40.4362

Background



This preview shows how black text looks on a background with the XYZ color 73.4286, 80.0550, 40.4362.

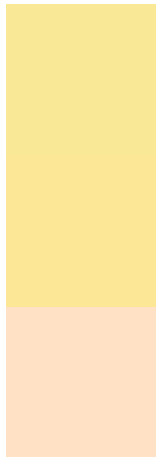


This preview shows how white text looks on a background with the XYZ color 73.4286, 80.0550,

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

73.4286, 80.0550, 40.4362

Protanopia

73.8646, 79.8631, 40.3762

Deuteranopia

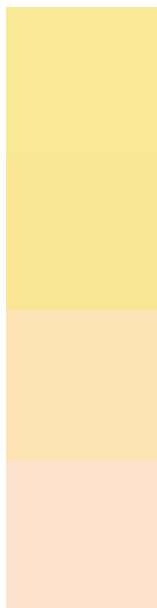
78.6294, 79.7299, 64.6713



Tritanopia

82.9137, 80.1498, 91.2212

Trichromacy



Original Color

73.4286, 80.0550, 40.4362

Protanomaly

73.5053, 79.6778, 40.3594

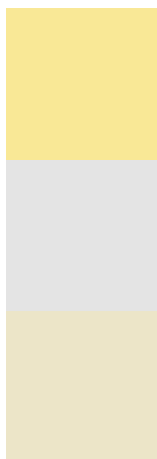
Deuteranomaly

76.5919, 79.7056, 55.0640

Tritanomaly

78.7238, 79.6831, 68.9888

Monochromacy



Original Color

73.4286, 80.0550, 40.4362

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.0367, 78.0416, 65.8577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.4286, 80.0550, 40.4362 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(249, 232, 150)` looks like.

```
.text, #text, p{  
    color:rgb(249, 232, 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(249, 232, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 232, 150) }
```

Border

The CSS property to change the border of an element to XYZ 73.4286, 80.0550, 40.4362 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(249, 232, 150) }
```


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

```
.border{ border-color:rgb(249, 232, 150) }
```

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

Here you see how a box with a 4 pixel rgb(249, 232, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 232, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 232, 150);  
box-shadow:4px 4px 4px 4px rgb(249, 232,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 73.4286, 80.0550, 40.4362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 232, 150) }
```

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

```
.background{ background-color: rgb(249,  
232, 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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