

Converting Colors

XYZ(75.8379, 80.1129, 37.0991)

Have a look what the booklet for
XYZ(75.8379, 80.1129, 37.0991)
contains.

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Color

**XYZ(74.1418, 79.2516,
36.9806)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE58E
RGB	255, 229, 142
RGB Percent	100%, 90%, 56%
CMY	0.0000, 0.1019, 0.4431
CMYK	0.00, 0.10, 0.44, 0.00
HSL	46°, 100%, 78%
HSV	46°, 44%, 100%
XYZ	74.1418, 79.2516, 36.9806
YIQ	226.8560, 43.4230, -21.5450

Conversions

Conversions Part 2

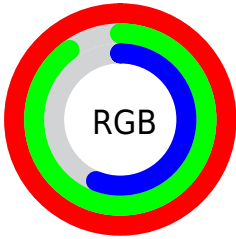
Format	Color
R _Y B	176, 255, 142
Decimal	16770446
CIE Lab	91.35, -2.44, 45.54
CIE LCh	91, 45.607, 93.064
Yxy	79.2516, 0.3895, 0.4163
Android (android.graphics.Color)	4294960526 (0xFFFFE58E)
YUV	226.8560, -41.8340, 24.6823
Hunter-Lab	89.0234, -7.1298, 37.6871

Details

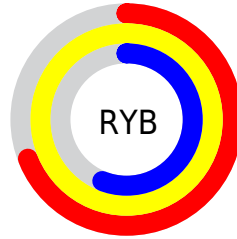
The XYZ color **74.1418, 79.2516, 36.9806** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.2076, 40.9747, 100.2392**, and the grayscale version is **73.1831, 76.9943, 83.8468**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **39.7465, 42.7461, 15.8288** is the 20% darker color. If you saturate the color by 10%, you get **70.8469, 75.3832, 27.4931**, and if you desaturate by 10%, it is **77.9334, 83.4123, 48.7959**.

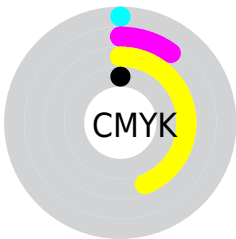
Distribution



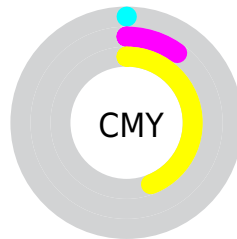
- Red (100%)
- Green (90%)
- Blue (56%)



- Red (69%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (10%)
- Yellow (44%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.1418, 79.2516, 36.9806 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 74.1418, 79.2516, 36.9806 by changing the saturation by 10% instead.


 74.1418, 79.2516,
36.9806


 74.1418, 79.2516,
36.9806


464.0054,
492.4071, 348.3927

 55.2018, 59.1027,
24.8968


 124.0912,
132.3130, 71.7289

 39.7978, 42.6958,
15.7819


 155.8313,
165.9943, 95.2306

 27.5644, 29.6465,
9.2172


192.5689,
204.9552, 123.3752

 18.1364, 19.5704,
4.7844

234.6692,
249.5800, 156.5814

 11.1482, 12.0832,
2.0648

282.4977,
300.2532, 195.2677

 6.2346, 6.8003,
0.5947

336.4196,

 3.0303, 3.3376,

357.3592, 239.8527

0.0000

396.8004,
421.2824, 290.7548

■ 1.1698, 1.3104,
0.0000

■ 0.0823, 0.1492,
0.0000

■ 74.1418, 79.2516,
36.9806

■ 74.1418, 79.2516,
36.9806

■ 70.8469, 75.3832,
27.4931

■ 77.9334, 83.4123,
48.7959

■ 68.0121, 71.7828,
20.1690

■ 82.2437, 87.8661,
63.0787

■ 65.6047, 68.4395,
14.8301

■ 87.1005, 92.6280,
79.9633

■ 63.5844, 65.3361,
11.2676

■ 92.5277, 97.7082,
99.5728

■ 61.9022, 62.4522, 95.0499, 100.0000,
9.2255 108.9000

■ 61.0569, 60.8939,
8.5356

Harmonies

Analogous

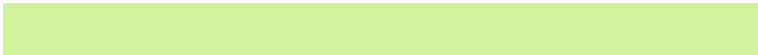
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8733, 79.2516, 40.9998



74.1418, 79.2516, 36.9806



63.8159, 79.2516, 43.1114

Triad

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



74.1418, 79.2516, 36.9806



58.1590, 79.2516, 125.9831



96.9798, 79.2516, 118.5334

Complementary

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



74.1418, 79.2516, 36.9806



43.2076, 40.9747, 100.2392

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.



88.1437, 79.2516, 151.5517



74.1418, 79.2516, 36.9806



65.6803, 79.2516, 156.5702

Square

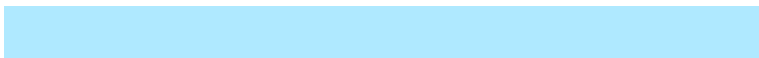
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.1418, 79.2516, 36.9806



55.2016, 79.2516, 89.7468



76.5233, 79.2516, 166.9505



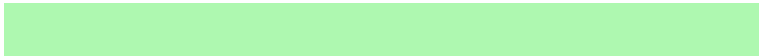
99.8292, 79.2516, 82.9261

Rectangle

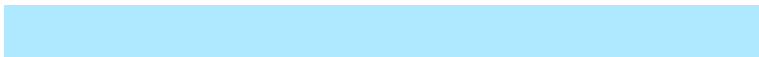
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.1418, 79.2516, 36.9806



58.8884, 79.2516, 53.3547



76.5233, 79.2516, 166.9505



94.5695, 79.2516, 130.5806

Sweetspot

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



74.1437, 79.2553, 36.9822



87.7801, 93.2766, 82.3796



58.0156, 43.4477, 42.5546



18.5452, 19.7323, 16.7688



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.



74.1437, 79.2553, 36.9822



71.2528, 75.8758, 28.6117



71.6526, 89.4592, 39.0831



19.1861, 20.3404, 19.0592



32.0223, 32.0559, 4.4997



3.2000, 3.2854, 0.4655

Inverse Universe

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



43.2076, 40.9747, 100.2392



36.8318, 33.3160, 99.0971



44.7663, 35.3527, 99.0719



17.3420, 18.0556, 22.8210



10.3320, 5.5735, 49.9658



1.0844, 0.6996, 4.8911

Previews

White Background



This preview shows how the XYZ color 74.1418, 79.2516, 36.9806 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 74.1418, 79.2516, 36.9806 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 74.1418, 79.2516, 36.9806

Background



This preview shows how black text looks on a background with the XYZ color 74.1418, 79.2516, 36.9806.

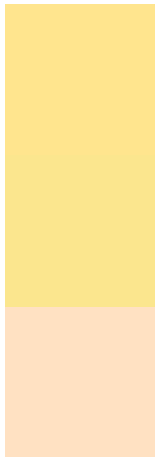


This preview shows how white text looks on a background with the XYZ color 74.1418, 79.2516,

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

74.1418, 79.2516, 36.9806

Protanopia

72.9630, 79.0559, 37.0049

Deuteranopia

77.9028, 79.0055, 62.1826



Tritanopia

82.0693, 79.3857, 88.0883

Trichromacy

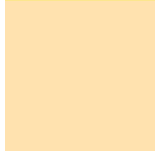


Original Color

74.1418, 79.2516, 36.9806

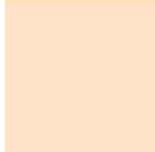
Protanomaly

73.3242, 79.2421, 37.0218



Deuteranomaly

76.1742, 78.7479, 51.7425



Tritanomaly

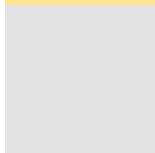
78.5905, 79.2806, 65.8041

Monochromacy



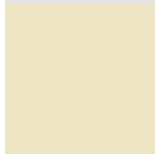
Original Color

74.1418, 79.2516, 36.9806



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

72.6323, 77.4769, 63.3509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.1418, 79.2516, 36.9806 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(255, 229, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 142)  
}
```

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(255, 229, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 142) }
```

Border

The CSS property to change the border of an element to XYZ 74.1418, 79.2516, 36.9806 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(255, 229, 142) }
```


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

```
.border{ border-color:rgb(255, 229, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 229, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 229, 142); box-shadow:4px 4px 4px 4px rgb(255, 229, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 74.1418, 79.2516, 36.9806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 142) }
```

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

```
.background{ background-color: rgb(255,  
229, 142) }
```

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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