

Converting Colors

XYZ(76.0624, 83.9270, 40.3767)

Have a look what the booklet for
XYZ(76.0624, 83.9270, 40.3767)
contains.

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Color

**XYZ(76.0647, 83.9826,
40.2182)**

Conversions

Conversions Part 1

Format	Color
Hex	FCEE94
RGB	252, 238, 148
RGB Percent	99%, 93%, 58%
CMY	0.0118, 0.0666, 0.4196
CMYK	0.00, 0.06, 0.41, 0.01
HSL	52°, 95%, 78%
HSV	52°, 41%, 99%
XYZ	76.0647, 83.9826, 40.2182
YIQ	231.9260, 37.2340, -25.0220

Conversions

Conversions Part 2

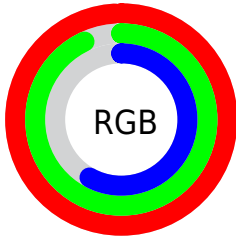
Format	Color
RYB	164, 252, 148
Decimal	16576148
CIELab	93.44, -7.52, 45.20
CIELCh	93, 45.817, 99.450
Yxy	83.9826, 0.3798, 0.4194
Android (android.graphics.Color)	4294766228 (0xFFFC EE94)
YUV	231.9260, -41.3755, 17.6049
Hunter-Lab	91.6420, -12.2150, 38.1293

Details

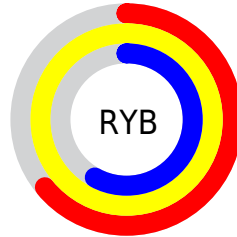
The XYZ color **76.0647, 83.9826, 40.2182** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **42.7035, 39.1637, 97.4040**, and the grayscale version is **76.9285, 80.9348, 88.1380**.

A 20% lighter version of the original color is **87.7795, 97.0918, 70.6140**, and **41.0874, 45.7698, 17.7352** is the 20% darker color. If you saturate the color by 10%, you get **73.3061, 81.3174, 30.5064**, and if you desaturate by 10%, it is **79.2803, 86.8665, 52.2264**.

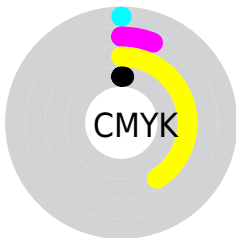
Distribution



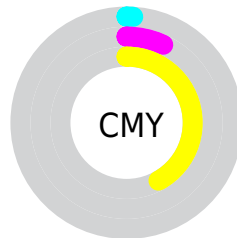
- Red (99%)
- Green (93%)
- Blue (58%)



- Red (64%)
- Yellow (99%)
- Blue (58%)



- Cyan (0%)
- Magenta (6%)
- Yellow (41%)
- Black (1%)





- Cyan (1%)
- Magenta (7%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.0647, 83.9826, 40.2182 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 76.0647, 83.9826, 40.2182 by changing the saturation by 10% instead.


 76.0647, 83.9826,
40.2182


 76.0647, 83.9826,
40.2182


470.5101,
508.2555, 362.6218

 56.7828, 63.0011,
27.3936


 126.7982,
138.9508, 76.7364

 41.0703, 45.8421,
17.6340


 158.9806,
173.7063, 101.2671

 28.5620, 32.1212,
10.5208

196.1938,
213.8219, 130.5369

 18.8923, 21.4541,
5.6355

238.8032,
259.6821, 164.9644

 11.6960, 13.4563,
2.5596

287.1742,
311.6711, 204.9681

 6.6078, 7.7435,
0.8715

341.6721,

 3.2622, 3.9313,

370.1734, 250.9665

0.0000

402.6623,
435.5734, 303.3782

■ 1.2939, 1.6352,
0.0000

■ 0.1786, 0.3812,
0.0000

■ 76.0647, 83.9826,
40.2182

■ 76.0647, 83.9826,
40.2182

■ 73.3061, 81.3174,
30.5064

■ 79.2803, 86.8665,
52.2264

■ 70.9696, 78.8476,
22.9358

■ 82.9727, 89.9679,
66.6623

■ 69.0255, 76.5641,
17.3403

■ 87.1680, 93.3005,
83.6533

■ 67.4370, 74.4522,
13.5272

■ 91.8883, 96.8735,
103.3166

■ 66.1600, 72.4940,
11.2649

93.9422, 99.4102,
108.8445

■ 65.2401, 70.8859,
10.2438

93.9548, 99.4354,
108.8487

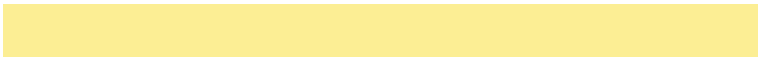
Harmonies

Analogous

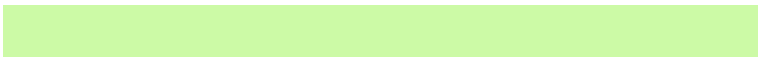
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.2685, 83.9826, 42.1776



76.0647, 83.9826, 40.2182



65.9378, 83.9826, 49.0493

Triad

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



76.0647, 83.9826, 40.2182



63.1768, 83.9826, 140.6329



103.6417, 83.9826, 116.8734

Complementary

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



76.0647, 83.9826, 40.2182



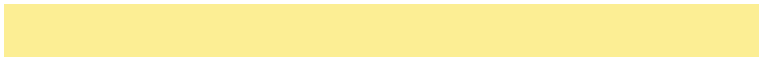
42.7035, 39.1637, 97.4040

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.



95.5322, 83.9826, 153.1232



76.0647, 83.9826, 40.2182



71.9341, 83.9826, 169.0692

Square

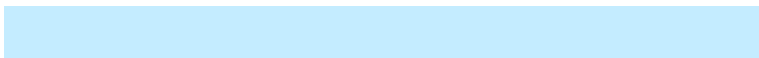
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0647, 83.9826, 40.2182



59.0083, 83.9826, 102.8214



83.7030, 83.9826, 174.1422



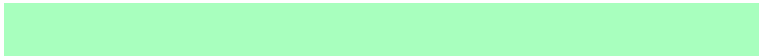
105.0336, 83.9826, 80.9362

Rectangle

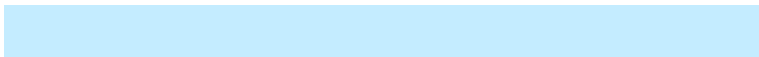
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.0647, 83.9826, 40.2182



61.4219, 83.9826, 61.5927



83.7030, 83.9826, 174.1422



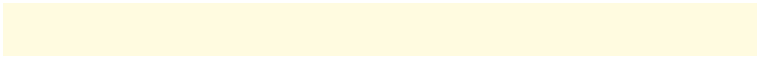
101.5746, 83.9826, 129.6498

Sweetspot

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



76.0668, 83.9865, 40.2199



89.2094, 95.5846, 84.5536



57.4001, 44.5421, 40.5061



18.9686, 20.3608, 17.5824



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

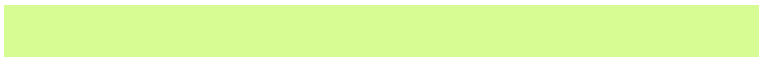
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0668, 83.9865, 40.2199



75.6326, 83.8637, 32.4510



68.3570, 86.2971, 41.0723



18.5165, 19.7689, 18.3023



34.0641, 37.0849, 5.3627



3.2083, 3.5415, 0.5145

Inverse Universe

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



42.7035, 39.1637, 97.4040



36.9499, 31.9163, 98.8207



48.0245, 38.4489, 96.9856



16.4713, 17.0195, 21.8022



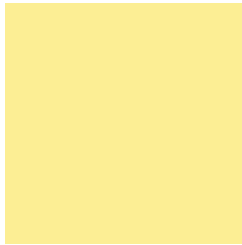
9.5088, 4.3732, 48.3165



0.9371, 0.5178, 4.4937

Previews

White Background



This preview shows how the XYZ color 76.0647, 83.9826, 40.2182 looks on a white background.

Color Contrast Check

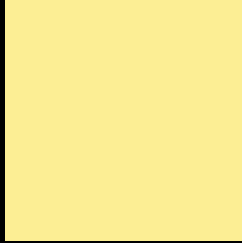
Large Text (above 18pt) WCAG AA × Fail

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 76.0647, 83.9826, 40.2182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

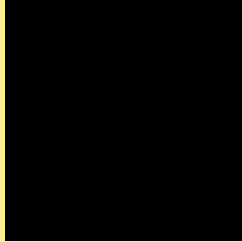
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.0647, 83.9826, 40.2182

Background



This preview shows how black text looks on a background with the XYZ color 76.0647, 83.9826, 40.2182.



This preview shows how white text looks on a background with the XYZ color 76.0647, 83.9826,

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

76.0647, 83.9826, 40.2182

Protanopia

77.7570, 83.8595, 46.2707

Deuteranopia

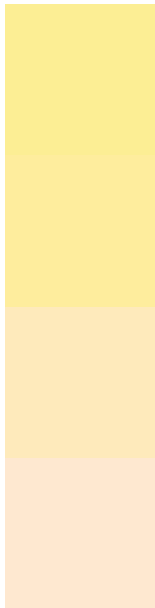
81.7295, 83.6264, 72.8067



Tritanopia

85.2863, 83.7094, 95.6669

Trichromacy



Original Color

76.0647, 83.9826, 40.2182

Protanomaly

77.2430, 84.0735, 44.0550

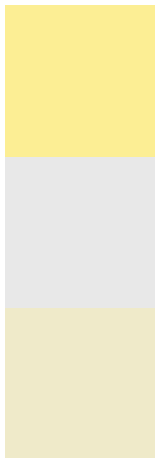
Deuteranomaly

79.2655, 83.5043, 58.9539

Tritanomaly

81.1148, 83.3381, 71.4852

Monochromacy



Original Color

76.0647, 83.9826, 40.2182

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

75.5620, 81.4134, 66.9902

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0647, 83.9826, 40.2182 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(252, 238, 148)` looks like.

```
.text, #text, p{  
    color:rgb(252, 238, 148)  
}
```

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(252, 238, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 238, 148) }
```

Border

The CSS property to change the border of an element to XYZ 76.0647, 83.9826, 40.2182 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(252, 238, 148) }
```


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

```
.border{ border-color:rgb(252, 238, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 238, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 238, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 238, 148);  
box-shadow:4px 4px 4px 4px rgb(252, 238,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0647, 83.9826, 40.2182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 238, 148) }
```

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

```
.background{ background-color: rgb(252,  
238, 148) }
```

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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