

Converting Colors

XYZ(76.3731, 82.8466, 40.3995)

Have a look what the booklet for
XYZ(76.3731, 82.8466, 40.3995)
contains.

XYZ(76.3731, 82.8466, 40.3995) 3
Conversions 4
Details 6
Harmonies 12
Previews 24
Color Blindness Simulation 28
CSS Examples 31

Color

**XYZ(76.3731, 82.8466,
40.3995)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEB95
RGB	255, 235, 149
RGB Percent	100%, 92%, 58%
CMY	0.0000, 0.0784, 0.4157
CMYK	0.00, 0.08, 0.42, 0.00
HSL	49°, 100%, 79%
HSV	49°, 42%, 100%
XYZ	76.3731, 82.8466, 40.3995
YIQ	231.1760, 39.5260, -22.5060

Conversions

Conversions Part 2

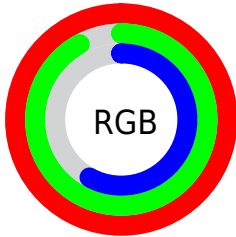
Format	Color
RYB	174, 255, 149
Decimal	16771989
CIELab	92.95, -4.76, 44.13
CIELCh	93, 44.381, 96.156
Yxy	82.8466, 0.3826, 0.4150
Android (android.graphics.Color)	4294962069 (0xFFFFEB95)
YUV	231.1760, -40.5128, 20.8936
Hunter-Lab	91.0201, -9.5095, 37.3981

Details

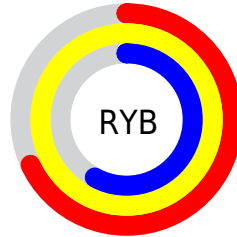
The XYZ color **76.3731, 82.8466, 40.3995** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.6320, 41.9841, 100.3588**, and the grayscale version is **76.3602, 80.3368, 87.4868**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **41.3037, 44.9736, 17.8131** is the 20% darker color. If you saturate the color by 10%, you get **73.1982, 79.4059, 30.3732**, and if you desaturate by 10%, it is **80.0350, 86.5477, 52.7889**.

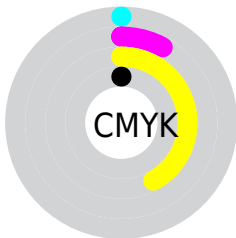
Distribution



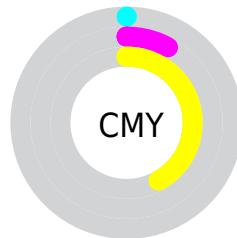
- Red (100%)
- Green (92%)
- Blue (58%)



- Red (68%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (8%)
- Yellow (42%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.3731, 82.8466, 40.3995 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 76.3731, 82.8466, 40.3995 by changing the saturation by 10% instead.


 76.3731, 82.8466,
40.3995

 76.3731, 82.8466,
40.3995


471.5487,
504.4751, 363.4066

 57.0366, 62.0636,
27.5340


 127.2317,
137.3606, 77.0152

 41.2749, 45.0841,
17.7387


 159.4846,
171.8604, 101.6025

 28.7226, 31.5237,
10.5951


196.7736,
211.7012, 130.9342

 19.0143, 20.9979,
5.6845

239.4641,
257.2675, 165.4287

 11.7847, 13.1225,
2.5885

287.9216,
308.9437, 205.5047

 6.6684, 7.5130,
0.8865

342.5112,

 3.3001, 3.7849,

367.1141, 251.5806

0.0000

403.5985,
432.1631, 304.0751

■ 1.3144, 1.5540,
0.0000

■ 0.1939, 0.3263,
0.0000

■ 76.3731, 82.8466,
40.3995

■ 76.3731, 82.8466,
40.3995

■ 73.1982, 79.4059,
30.3732

■ 80.0350, 86.5477,
52.7889

■ 70.4746, 76.2018,
22.5500

■ 84.2049, 90.5090,
67.6771

■ 68.1711, 73.2244,
16.7580

■ 88.9097, 94.7448,
85.1957

■ 66.2494, 70.4579,
12.7976

■ 94.1727, 99.2648,
105.4654

■ 64.6637, 67.8836, 95.0499, 99.9999,
10.4289 108.9000

■ 63.5290, 65.8381,
9.3597

Harmonies

Analogous

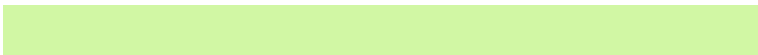
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.1173, 82.8466, 43.4518



76.3731, 82.8466, 40.3995



66.2921, 82.8466, 47.8031

Triad

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



76.3731, 82.8466, 40.3995



62.0578, 82.8466, 133.4323



100.9794, 82.8466, 118.5998

Complementary

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



76.3731, 82.8466, 40.3995



44.6320, 41.9841, 100.3588

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.



92.6633, 82.8466, 152.3053



76.3731, 82.8466, 40.3995



70.0587, 82.8466, 162.2365

Square

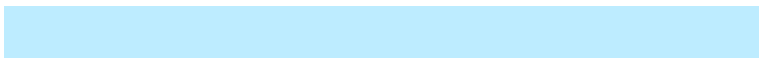
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.3731, 82.8466, 40.3995



58.5667, 82.8466, 97.2382



81.1619, 82.8466, 169.8785



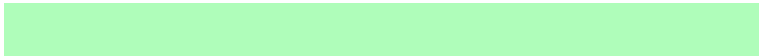
103.0911, 82.8466, 83.5211

Rectangle

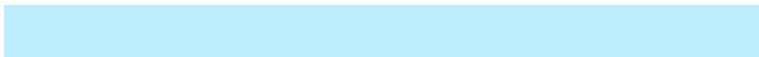
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.3731, 82.8466, 40.3995



61.6178, 82.8466, 59.0767



81.1619, 82.8466, 169.8785



98.7796, 82.8466, 130.7064

Sweetspot

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



76.3751, 82.8504, 40.4012



88.6952, 94.5561, 84.3822



59.2626, 45.6656, 43.8214



18.8469, 20.1174, 17.5418



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

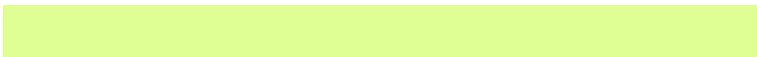
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.3751, 82.8504, 40.4012



73.6657, 79.9299, 31.7954



71.6782, 89.4096, 41.9148



19.2529, 20.4739, 19.0815



33.2996, 34.6104, 4.9254



3.3139, 3.5132, 0.5035

Inverse Universe

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



44.6320, 41.9841, 100.3588



38.0322, 34.0808, 99.1815



47.8074, 38.5155, 99.5220



17.2802, 17.9320, 22.8004



10.0646, 5.0388, 49.8767



1.0501, 0.6309, 4.8797

Previews

White Background



This preview shows how the XYZ color 76.3731, 82.8466, 40.3995 looks on a white background.

Color Contrast Check

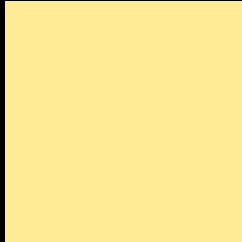
Large Text (above 18pt) WCAG AA × Fail

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 76.3731, 82.8466, 40.3995 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 76.3731, 82.8466, 40.3995

Background



This preview shows how black text looks on a background with the XYZ color 76.3731, 82.8466, 40.3995.

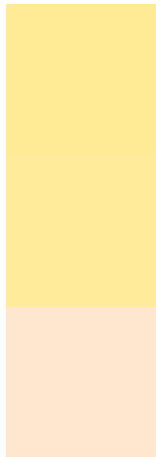


This preview shows how white text looks on a background with the XYZ color 76.3731, 82.8466,

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

76.3731, 82.8466, 40.3995

Protanopia

76.6981, 82.9766, 42.1106

Deuteranopia

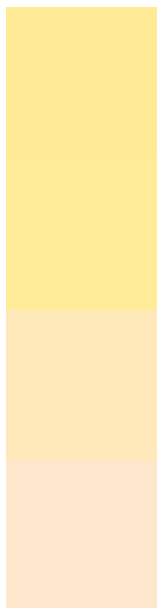
81.0784, 82.9168, 70.7627



Tritanopia

84.5634, 82.9788, 93.2209

Trichromacy



Original Color

76.3731, 82.8466, 40.3995

Protanomaly

76.6158, 82.9437, 41.6774

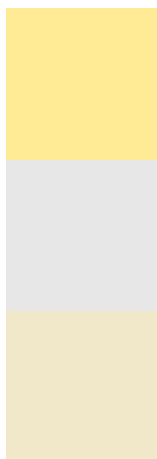
Deuteranomaly

78.9595, 82.5184, 58.2204

Tritanomaly

80.9565, 82.8681, 70.1208

Monochromacy



Original Color

76.3731, 82.8466, 40.3995

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.3344, 80.4555, 66.8173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.3731, 82.8466, 40.3995 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, 235, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 149)  
}
```

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, 235, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 149) }
```

Border

The CSS property to change the border of an element to XYZ 76.3731, 82.8466, 40.3995 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, 235, 149) }
```


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

```
.border{ border-color:rgb(255, 235, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 76.3731, 82.8466, 40.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 149) }
```

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

```
.background{ background-color: rgb(255,  
235, 149) }
```

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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