

Converting Colors

XYZ(76.9029, 83.5179, 41.7731)

Have a look what the booklet for
XYZ(76.9029, 83.5179, 41.7731)
contains.

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Color

**XYZ(76.9029, 83.5179,
41.7731)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEC98
RGB	255, 236, 152
RGB Percent	100%, 93%, 60%
CMY	0.0000, 0.0745, 0.4039
CMYK	0.00, 0.07, 0.40, 0.00
HSL	49°, 100%, 80%
HSV	49°, 40%, 100%
XYZ	76.9029, 83.5179, 41.7731
YIQ	232.1050, 38.2880, -22.0960

Conversions

Conversions Part 2

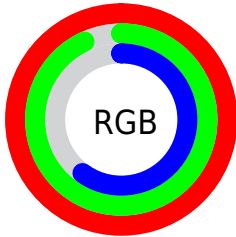
Format	Color
R_{YB}	175, 255, 152
Decimal	16772248
CIE _{Lab}	93.24, -4.95, 43.02
CIE _{LCh}	93, 43.305, 96.567
Yxy	83.5179, 0.3803, 0.4131
Android (android.graphics.Color)	4294962328 (0xFFFFEC98)
YUV	232.1050, -39.4918, 20.0789
Hunter-Lab	91.3881, -9.7219, 36.8705

Details

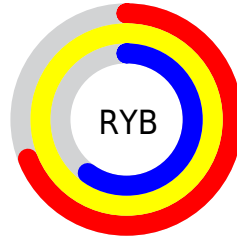
The XYZ color **76.9029, 83.5179, 41.7731** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.5614, 43.0198, 100.5098**, and the grayscale version is **77.0485, 81.0610, 88.2755**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **41.6475, 45.4329, 18.6310** is the 20% darker color. If you saturate the color by 10%, you get **73.6995, 80.1017, 31.4859**, and if you desaturate by 10%, it is **80.5951, 87.1928, 54.4401**.

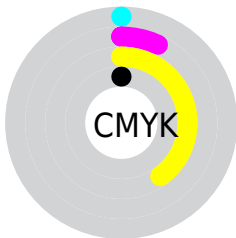
Distribution



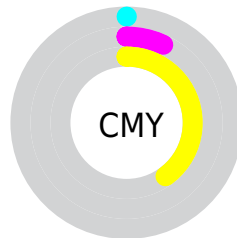
- Red (100%)
- Green (93%)
- Blue (60%)



- Red (69%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (7%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.9029, 83.5179, 41.7731 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 76.9029, 83.5179, 41.7731 by changing the saturation by 10% instead.


 76.9029, 83.5179,
41.7731


 76.9029, 83.5179,
41.7731


473.3299,
506.7109, 369.3134

 57.4728, 62.6175,
28.5994


 127.9760,
138.3006, 79.1225

 41.6266, 45.5318,
18.5350

 160.3497,
172.9517, 104.1353

 28.9989, 31.8765,
11.1614


197.7687,
212.9551, 133.9315

 19.2242, 21.2672,
6.0600

240.5983,
258.6952, 168.9297

 11.9374, 13.3195,
2.8122

289.2038,
310.5564, 209.5485

 6.7729, 7.6489,
0.9996

343.9507,

 3.3656, 3.8711,

368.9232, 256.2063

0.0000

405.2043,
434.1799, 309.3218

■ 1.3499, 1.6017,
0.0000

■ 0.2201, 0.3588,
0.0000

■ 76.9029, 83.5179,
41.7731

■ 76.9029, 83.5179,
41.7731

■ 73.6995, 80.1017,
31.4859

■ 80.5951, 87.1928,
54.4401

■ 70.9493, 76.9203,
23.4202

■ 84.7966, 91.1258,
69.6212

■ 68.6218, 73.9642,
17.4069

■ 89.5343, 95.3311,
87.4468

■ 66.6795, 71.2178,
13.2499

94.8309, 99.8184,
108.0367

■ 65.0775, 68.6629, 95.0499, 99.9999,
10.7151 108.9000

■ 63.7901, 66.3604,
9.4467

Harmonies

Analogous

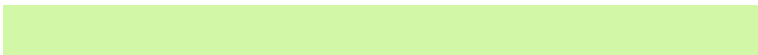
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4136, 83.5179, 44.6727



76.9029, 83.5179, 41.7731



67.0351, 83.5179, 49.2890

Triad

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



76.9029, 83.5179, 41.7731



63.0580, 83.5179, 133.6576



101.2199, 83.5179, 118.2316

Complementary

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



76.9029, 83.5179, 41.7731



45.5614, 43.0198, 100.5098

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.



93.1572, 83.5179, 151.1907



76.9029, 83.5179, 41.7731



70.9860, 83.5179, 161.4825

Square

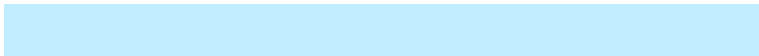
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9029, 83.5179, 41.7731



59.5507, 83.5179, 98.3001



81.9123, 83.5179, 168.5665



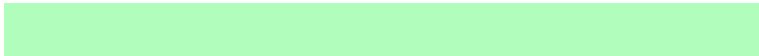
103.1876, 83.5179, 83.9507

Rectangle

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



76.9029, 83.5179, 41.7731



62.4707, 83.5179, 60.5706



81.9123, 83.5179, 168.5665



99.0974, 83.5179, 130.0588

Sweetspot

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



76.9050, 83.5218, 41.7748



88.7351, 94.6360, 84.3955



59.9729, 46.7190, 45.1903



18.8563, 20.1363, 17.5450



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

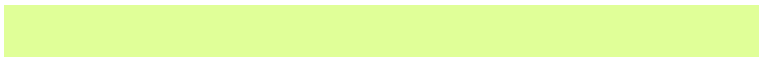
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9050, 83.5218, 41.7748



74.4236, 80.8974, 33.7379



72.1993, 89.6503, 43.2058



19.2597, 20.4875, 19.0837



33.4344, 34.8800, 4.9703



3.3259, 3.5371, 0.5074

Inverse Universe

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



45.5614, 43.0198, 100.5098



39.4097, 35.6737, 99.4163



48.7837, 39.7325, 99.7055



17.2739, 17.9195, 22.7983



10.0404, 4.9905, 49.8686



1.0468, 0.6244, 4.8786

Previews

White Background



This preview shows how the XYZ color 76.9029, 83.5179, 41.7731 looks on a white background.

Color Contrast Check

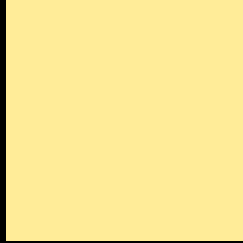
Large Text (above 18pt) WCAG AA × Fail

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 76.9029, 83.5179, 41.7731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

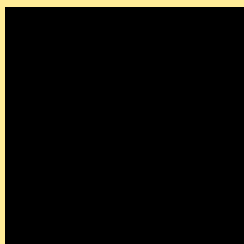
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 76.9029, 83.5179, 41.7731

Background



This preview shows how black text looks on a background with the XYZ color 76.9029, 83.5179, 41.7731.



This preview shows how white text looks on a background with the XYZ color 76.9029, 83.5179,

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

76.9029, 83.5179, 41.7731

Protanopia

77.4935, 83.7541, 44.8827

Deuteranopia

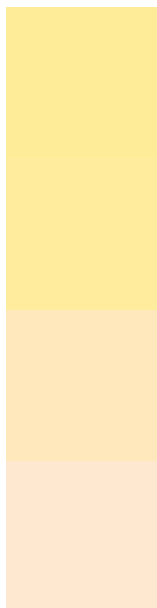
81.6052, 83.5767, 72.1525



Tritanopia

84.9875, 83.5899, 94.0932

Trichromacy



Original Color

76.9029, 83.5179, 41.7731

Protanomaly

77.2362, 83.6512, 43.5280

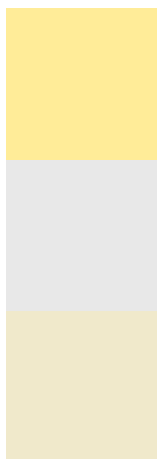
Deuteranomaly

79.4560, 83.1687, 59.4423

Tritanomaly

81.4818, 83.5273, 71.5023

Monochromacy



Original Color

76.9029, 83.5179, 41.7731

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

75.8536, 81.1149, 68.1587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9029, 83.5179, 41.7731 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, 236, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 152)  
}
```

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, 236, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 152) }
```

Border

The CSS property to change the border of an element to XYZ 76.9029, 83.5179, 41.7731 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, 236, 152) }
```


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

```
.border{ border-color:rgb(255, 236, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 236, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 236, 152); box-shadow:4px 4px 4px 4px rgb(255, 236, 152) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9029, 83.5179, 41.7731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 152) }
```

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

```
.background{ background-color: rgb(255,  
236, 152) }
```

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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