

Converting Colors

XYZ(77.5372, 81.6166, 51.7566)

Have a look what the booklet for
XYZ(77.5372, 81.6166, 51.7566)
contains.

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Color

**XYZ(77.4559, 81.4678,
51.6869)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7AE
RGB	255, 231, 174
RGB Percent	100%, 91%, 68%
CMY	0.0000, 0.0941, 0.3176
CMYK	0.00, 0.09, 0.32, 0.00
HSL	42°, 100%, 84%
HSV	42°, 32%, 100%
XYZ	77.4559, 81.4678, 51.6869
YIQ	231.6780, 32.6010, -12.6390

Conversions

Conversions Part 2

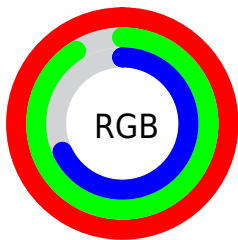
Format	Color
RYB	208, 255, 174
Decimal	16770990
CIELab	92.34, 0.05, 30.78
CIELCh	92, 30.776, 89.913
Yxy	81.4678, 0.3678, 0.3868
Android (android.graphics.Color)	4294961070 (0xFFFFE7AE)
YUV	231.6780, -28.4353, 20.4534
Hunter-Lab	90.2595, -4.7750, 29.2294

Details

The XYZ color **77.4559, 81.4678, 51.6869** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.6991, 56.6051, 102.5980**, and the grayscale version is **76.6514, 80.6433, 87.8205**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **42.0025, 44.3015, 24.4264** is the 20% darker color. If you saturate the color by 10%, you get **73.1339, 76.4316, 39.1240**, and if you desaturate by 10%, it is **82.3451, 86.8826, 66.7690**.

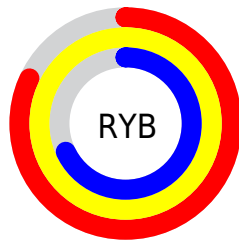
Distribution



Red (100%)

Green (91%)

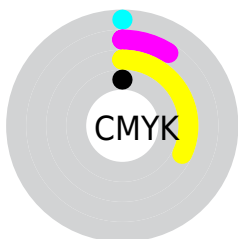
Blue (68%)



Red (82%)

Yellow (100%)

Blue (68%)

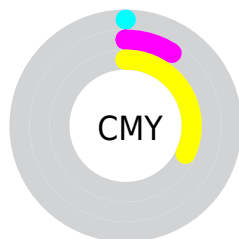


Cyan (0%)

Magenta (9%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (9%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.4559, 81.4678, 51.6869 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 77.4559, 81.4678, 51.6869 by changing the saturation by 10% instead.


 77.4559, 81.4678,
51.6869

 77.4559, 81.4678,
51.6869


475.1852,
499.8658, 410.1492

 57.9284, 60.9270,
36.3750


 128.7523,
135.4274, 94.0912

 41.9941, 44.1662,
24.4320


161.2518,
169.6150, 122.0207

 29.2878, 30.8012,
15.4392


198.8060,
209.1202, 154.9932

 19.4440, 20.4475,
8.9782

241.7803,
254.3276, 193.4272

 12.0974, 12.7208,
4.6303

290.5400,
305.6214, 237.7413

 6.8827, 7.2365,
1.9771

345.4505,

 3.4346, 3.6105,

363.3861, 288.3539

0.5412

406.8771,
428.0061, 345.6837

■ 1.3875, 1.4581,
0.0000

■ 0.2473, 0.2590,
0.0000

■ 77.4559, 81.4678,
51.6869

■ 77.4559, 81.4678,
51.6869

■ 73.1339, 76.4316,
39.1240

■ 82.3451, 86.8826,
66.7690

■ 69.3453, 71.7501,
28.9338

■ 87.8213, 92.6772,
84.4955

■ 66.0613, 67.4127,
20.9626

■ 93.9106, 98.8665,
104.9894

■ 63.2478, 63.4040,
15.0359

95.0500, 100.0000,
108.9000

■ 60.8657, 59.7064,
10.9535

■ 58.8678, 56.2989,
8.4737

■ 57.4530, 53.6860,
7.3343

Harmonies

Analogous

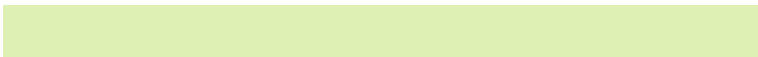
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3638, 81.4678, 55.9185



77.4559, 81.4678, 51.6869



70.0463, 81.4678, 55.8697

Triad

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



77.4559, 81.4678, 51.6869



64.9064, 81.4678, 112.4152



91.4491, 81.4678, 112.5500

Complementary

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



77.4559, 81.4678, 51.6869



55.6991, 56.6051, 102.5980

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.



85.3209, 81.4678, 132.3943



77.4559, 81.4678, 51.6869



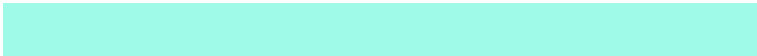
70.0087, 81.4678, 132.3075

Square

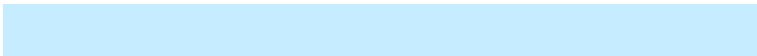
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.4559, 81.4678, 51.6869



63.1101, 81.4678, 88.6382



77.4095, 81.4678, 140.1700



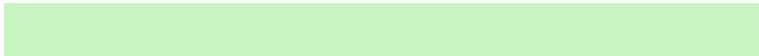
93.7731, 81.4678, 88.7710

Rectangle

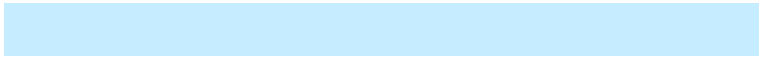
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.4559, 81.4678, 51.6869



66.3006, 81.4678, 63.3604



77.4095, 81.4678, 140.1700



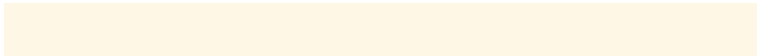
89.7459, 81.4678, 120.0398

Sweetspot

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



77.4579, 81.4715, 51.6886



88.8502, 93.7399, 87.9060



66.6043, 55.6241, 60.8347



18.8418, 19.8827, 18.2324



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.



77.4579, 81.4715, 51.6886



74.6970, 78.2858, 43.5666



78.9294, 92.8921, 53.8154



19.0802, 20.1286, 19.0239



30.1566, 28.3245, 3.8777



3.0314, 2.9482, 0.4093

Inverse Universe

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



55.6991, 56.6051, 102.5980



49.8990, 49.9569, 101.6204



54.4721, 48.4661, 101.0916



17.4415, 18.2546, 22.8542



10.8775, 6.6647, 50.1477



1.1492, 0.8292, 4.9127

Previews

White Background



This preview shows how the XYZ color 77.4559, 81.4678, 51.6869 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 77.4559, 81.4678, 51.6869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

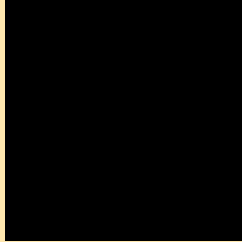
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.4559, 81.4678, 51.6869

Background



This preview shows how black text looks on a background with the XYZ color 77.4559, 81.4678, 51.6869.



This preview shows how white text looks on a background with the XYZ color 77.4559, 81.4678,

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

77.4559, 81.4678, 51.6869

Protanopia

76.3011, 81.6970, 52.3050

Deuteranopia

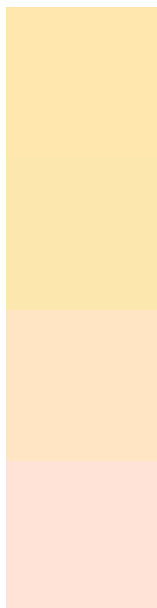
80.2459, 81.2518, 70.4852



Tritanopia

83.5978, 81.2835, 92.1721

Trichromacy



Original Color

77.4559, 81.4678, 51.6869

Protanomaly

76.7394, 81.5038, 52.2447

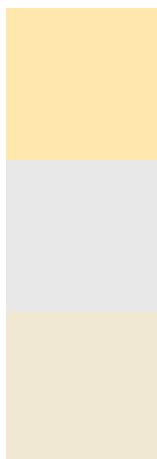
Deuteranomaly

79.1096, 81.2388, 63.1409

Tritanomaly

80.9748, 81.1045, 75.6769

Monochromacy



Original Color

77.4559, 81.4678, 51.6869

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.5497, 80.9416, 73.2167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.4559, 81.4678, 51.6869 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, 231, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 174)  
}
```

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, 231, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 174) }
```

Border

The CSS property to change the border of an element to XYZ 77.4559, 81.4678, 51.6869 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, 231, 174) }
```


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

```
.border{ border-color:rgb(255, 231, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 77.4559, 81.4678, 51.6869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 174) }
```

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

```
.background{ background-color: rgb(255,  
231, 174) }
```

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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