

Converting Colors

XYZ(76.7235, 78.5585, 49.4023)

Have a look what the booklet for
XYZ(76.7235, 78.5585, 49.4023)
contains.

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Color

**XYZ(75.5159, 78.0507,
49.6133)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE1AB
RGB	255, 225, 171
RGB Percent	100%, 88%, 67%
CMY	0.0000, 0.1176, 0.3294
CMYK	0.00, 0.12, 0.33, 0.00
HSL	39°, 100%, 84%
HSV	39°, 33%, 100%
XYZ	75.5159, 78.0507, 49.6133
YIQ	227.8140, 35.2140, -10.4340

Conversions

Conversions Part 2

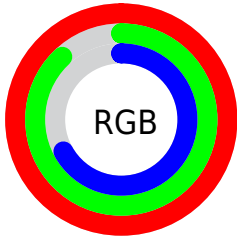
Format	Color
R _Y B	218, 255, 171
Decimal	16769451
CIE Lab	90.80, 2.74, 30.24
CIE LCh	91, 30.365, 84.829
Yxy	78.0507, 0.3717, 0.3841
Android (android.graphics.Color)	4294959531 (0xFFFFE1AB)
YUV	227.8140, -28.0093, 23.8421
Hunter-Lab	88.3463, -2.0293, 28.5465

Details

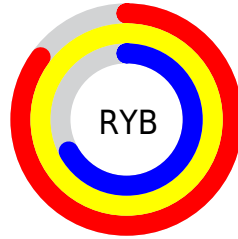
The XYZ color **75.5159, 78.0507, 49.6133** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **55.7307, 57.6494, 102.7979**, and the grayscale version is **73.7887, 77.6315, 84.5407**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **40.6707, 41.9278, 23.0888** is the 20% darker color. If you saturate the color by 10%, you get **70.9202, 72.3809, 37.2245**, and if you desaturate by 10%, it is **80.7158, 84.1778, 64.5185**.

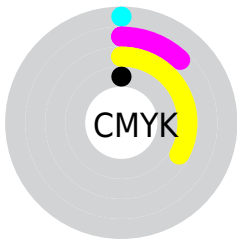
Distribution



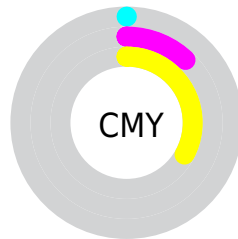
- Red (100%)
- Green (88%)
- Blue (67%)



- Red (85%)
- Yellow (100%)
- Blue (67%)



- Cyan (0%)
- Magenta (12%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (12%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.5159, 78.0507, 49.6133 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 75.5159, 78.0507, 49.6133 by changing the saturation by 10% instead.


 75.5159, 78.0507,
49.6133

 75.5159, 78.0507,
49.6133


468.6588,
488.3390, 401.8434

 56.3313, 58.1156,
34.7372


 126.0264,
130.6216, 90.9921

 40.7066, 41.9016,
23.1786


158.0830,
164.0262, 118.3318

 28.2766, 29.0243,
14.5189

195.1609,
202.6894, 150.6632

 18.6758, 19.0992,
8.3396

237.6256,
246.9957, 188.4047

 11.5389, 11.7420,
4.2221

285.8424,
297.3294, 231.9750

 6.5005, 6.5682,
1.7480

340.1766,

 3.1952, 3.1936,

354.0749, 281.7925

0.3933

400.9936,
417.6167, 338.2758

■ 1.2578, 1.2336,
0.0000

■ 0.1513, 0.0889,
0.0000

■ 75.5159, 78.0507,
49.6133

■ 75.5159, 78.0507,
49.6133

■ 70.9202, 72.3809,
37.2245

■ 80.7158, 84.1778,
64.5185

■ 66.8936, 67.1428,
27.2042

■ 86.5408, 90.7654,
82.0670

■ 63.4063, 62.3239,
19.3960

■ 93.0180, 97.8301,
102.3830

■ 60.4226, 57.9065,
13.6230

95.0500, 100.0000,
108.9000

■ 57.9017, 53.8708,
9.6805

■ 55.7941, 50.1935,
7.3200

■ 54.5058, 47.7915,
6.3519

Harmonies

Analogous

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



82.9661, 78.0507, 55.0419



75.5159, 78.0507, 49.6133



68.1899, 78.0507, 52.2537

Triad

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



75.5159, 78.0507, 49.6133



61.6436, 78.0507, 103.8881



86.8432, 78.0507, 111.5741

Complementary

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



75.5159, 78.0507, 49.6133



55.7307, 57.6494, 102.7979

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.



80.5213, 78.0507, 129.1349



75.5159, 78.0507, 49.6133



66.0462, 78.0507, 124.1908

Square

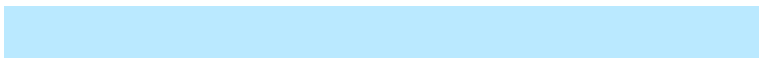
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.5159, 78.0507, 49.6133



60.5042, 78.0507, 81.2505



72.8695, 78.0507, 134.1074



89.7863, 78.0507, 88.8300

Rectangle

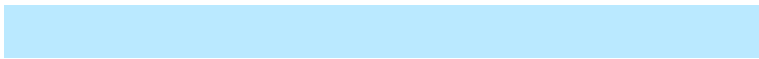
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.5159, 78.0507, 49.6133



64.3096, 78.0507, 58.5183



72.8695, 78.0507, 134.1074



85.0226, 78.0507, 118.4238

Sweetspot

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



75.5178, 78.0543, 49.6149



88.3765, 92.7925, 87.7481



66.4405, 54.6415, 62.7989



18.7269, 19.6529, 18.1941



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

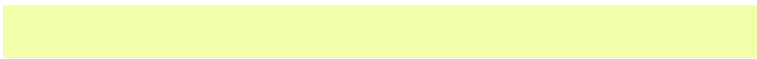
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.5178, 78.0543, 49.6149



72.2114, 74.0032, 40.6151



80.3498, 93.6577, 52.3720



18.9836, 19.9354, 18.9917



28.6267, 25.2646, 3.3678



2.8906, 2.6666, 0.3623

Inverse Universe

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



55.7307, 57.6494, 102.7979



49.4753, 50.5692, 101.7609



51.9524, 46.3163, 100.8095



17.5338, 18.4391, 22.8849



11.5163, 7.9421, 50.3606



1.2200, 0.9708, 4.9363

Previews

White Background



This preview shows how the XYZ color 75.5159, 78.0507, 49.6133 looks on a white background.

Color Contrast Check

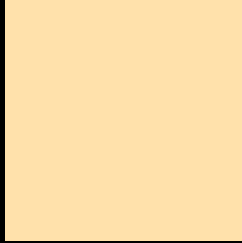
Large Text (above 18pt) WCAG AA × Fail

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 75.5159, 78.0507, 49.6133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

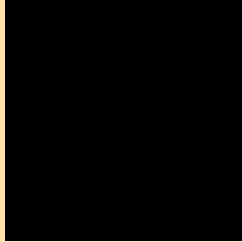
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.5159, 78.0507, 49.6133

Background



This preview shows how black text looks on a background with the XYZ color 75.5159, 78.0507, 49.6133.



This preview shows how white text looks on a background with the XYZ color 75.5159, 78.0507,

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

75.5159, 78.0507, 49.6133

Protanopia

72.9424, 77.9164, 50.7301

Deuteranopia

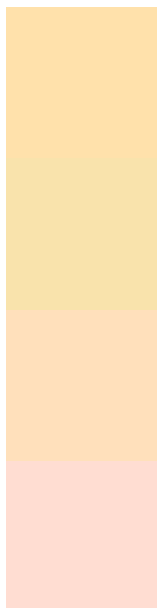
77.5915, 78.0209, 63.1946



Tritanopia

81.1370, 77.7492, 87.0747

Trichromacy



Original Color

75.5159, 78.0507, 49.6133

Protanomaly

73.9824, 78.0565, 50.1968

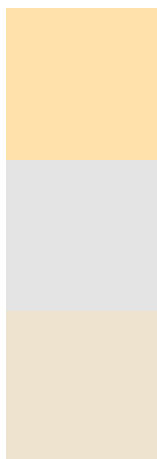
Deuteranomaly

76.8653, 78.1592, 58.0487

Tritanomaly

78.7293, 77.6260, 71.8066

Monochromacy



Original Color

75.5159, 78.0507, 49.6133

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.9915, 77.6203, 70.1139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.5159, 78.0507, 49.6133 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, 225, 171)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 171)  
}
```

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, 225, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 171) }
```

Border

The CSS property to change the border of an element to XYZ 75.5159, 78.0507, 49.6133 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, 225, 171) }
```


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

```
.border{ border-color:rgb(255, 225, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 171);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 75.5159, 78.0507, 49.6133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 171) }
```

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

```
.background{ background-color: rgb(255,  
225, 171) }
```

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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