

Converting Colors

XYZ(122.7622, 104.4355,
51.4334)

Have a look what the booklet for
XYZ(122.7622, 104.4355, 51.4334)
contains.

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Color

**XYZ(76.6982, 80.7182,
49.0739)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE6A9
RGB	255, 230, 169
RGB Percent	100%, 90%, 66%
CMY	0.0000, 0.0980, 0.3372
CMYK	0.00, 0.10, 0.34, 0.00
HSL	43°, 100%, 83%
HSV	43°, 34%, 100%
XYZ	76.6982, 80.7182, 49.0739
YIQ	230.5210, 34.4810, -13.6710

Conversions

Conversions Part 2

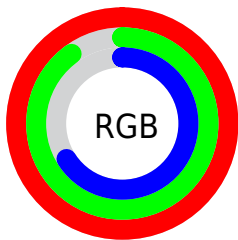
Format	Color
RYB	204, 255, 169
Decimal	16770729
CIELab	92.01, -0.04, 32.88
CIELCh	92, 32.876, 90.078
Yxy	80.7182, 0.3714, 0.3909
Android (android.graphics.Color)	4294960809 (0xFFFFE6A9)
YUV	230.5210, -30.3299, 21.4681
Hunter-Lab	89.8433, -4.8424, 30.5051

Details

The XYZ color **76.6982, 80.7182, 49.0739** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.7035, 54.2369, 102.2460**, and the grayscale version is **75.8016, 79.7492, 86.8469**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **41.5083, 43.7912, 22.7878** is the 20% darker color. If you saturate the color by 10%, you get **72.5158, 75.8179, 36.9989**, and if you desaturate by 10%, it is **81.4393, 85.9881, 63.6402**.

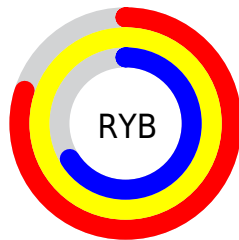
Distribution



Red (100%)

Green (90%)

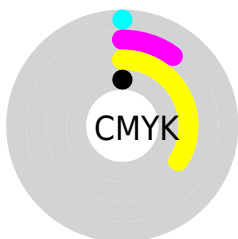
Blue (66%)



Red (80%)

Yellow (100%)

Blue (66%)

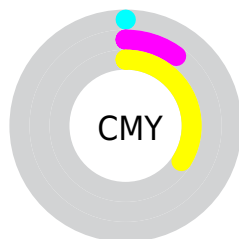


Cyan (0%)

Magenta (10%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (10%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.6982, 80.7182, 49.0739 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 76.6982, 80.7182, 49.0739 by changing the saturation by 10% instead.

 76.6982, 80.7182,
49.0739

 76.6982, 80.7182,
49.0739


472.6422,
497.3499, 399.6640

 57.3043, 60.3095,
34.3121


 127.6885,
134.3750, 90.1833

 41.4907, 43.6682,
22.8542


160.0155,
168.3920, 117.3680

 28.8920, 30.4097,
14.2816


197.3843,
207.7138, 149.5308

 19.1430, 20.1498,
8.1758

240.1603,
252.7249, 187.0901

 11.8783, 12.5040,
4.1182

288.7087,
303.8096, 230.4645

 6.7325, 7.0879,
1.6904

343.3949,

 3.3402, 3.5171,

361.3525, 280.0726

0.3542

404.5842,
425.7378, 336.3329

■ 1.3361, 1.4073,
0.0000

■ 0.2100, 0.2221,
0.0000

■ 76.6982, 80.7182,
49.0739

■ 76.6982, 80.7182,
49.0739

■ 72.5158, 75.8179,
36.9989

■ 81.4393, 85.9881,
63.6402

■ 68.8576, 71.2629,
27.2662

■ 86.7591, 91.6286,
80.8251

■ 65.6945, 67.0429,
19.7188

■ 92.6839, 97.6547,
100.7530

■ 62.9915, 63.1419,
14.1781

95.0500, 100.0000,
108.9000

■ 60.7083, 59.5421,
10.4372

■ 58.7957, 56.2219,
8.2433

■ 57.7414, 54.2629,
7.4305

Harmonies

Analogous

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



85.1169, 80.7182, 53.4026



76.6982, 80.7182, 49.0739



68.8593, 80.7182, 53.4479

Triad

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



76.6982, 80.7182, 49.0739



63.4973, 80.7182, 113.3425



91.6870, 80.7182, 113.2131

Complementary

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



76.6982, 80.7182, 49.0739



53.7035, 54.2369, 102.2460

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.



85.1578, 80.7182, 134.6366



76.6982, 80.7182, 49.0739



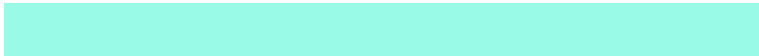
68.8948, 80.7182, 134.7204

Square

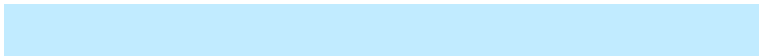
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.6982, 80.7182, 49.0739



61.5875, 80.7182, 87.9515



76.7423, 80.7182, 143.1389



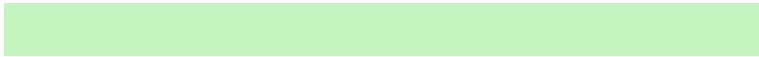
94.1486, 80.7182, 87.8253

Rectangle

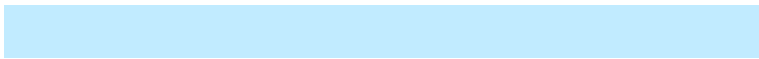
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.6982, 80.7182, 49.0739



64.9180, 80.7182, 61.2724



76.7423, 80.7182, 143.1389



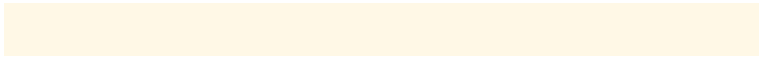
89.8726, 80.7182, 121.2734

Sweetspot

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



76.7002, 80.7219, 49.0756



88.8940, 93.8274, 87.9206



65.2562, 53.5679, 58.4125



18.8524, 19.9040, 18.2359



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

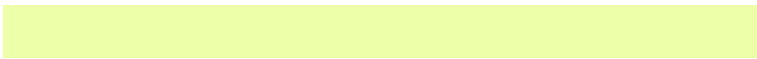
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.7002, 80.7219, 49.0756



74.0113, 77.6030, 41.2150



78.1145, 92.5272, 51.2797



19.0891, 20.1464, 19.0269



30.3062, 28.6236, 3.9276



3.0450, 2.9754, 0.4138

Inverse Universe

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



53.7035, 54.2369, 102.2460



48.0470, 47.7126, 101.2849



52.5371, 46.0612, 100.7294



17.4330, 18.2377, 22.8514



10.8255, 6.5607, 50.1304



1.1433, 0.8172, 4.9108

Previews

White Background



This preview shows how the XYZ color 76.6982, 80.7182, 49.0739 looks on a white background.

Color Contrast Check

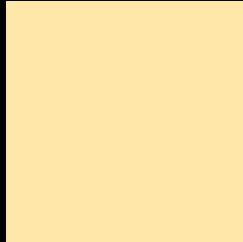
Large Text (above 18pt) WCAG AA × Fail

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 76.6982, 80.7182, 49.0739 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 76.6982, 80.7182, 49.0739

Background



This preview shows how black text looks on a background with the XYZ color 76.6982, 80.7182, 49.0739.



This preview shows how white text looks on a background with the XYZ color 76.6982, 80.7182,

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

76.6982, 80.7182, 49.0739

Protanopia

75.1792, 80.7552, 49.6552

Deuteranopia

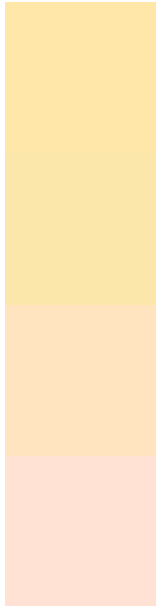
79.4886, 80.5100, 67.8504



Tritanopia

83.1817, 80.6857, 91.3105

Trichromacy



Original Color

76.6982, 80.7182, 49.0739

Protanomaly

75.6153, 80.5633, 49.5951

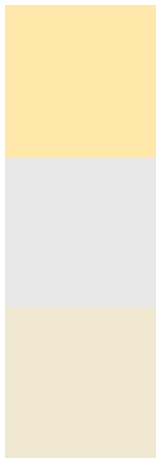
Deuteranomaly

78.3874, 80.5084, 60.6984

Tritanomaly

80.3200, 80.4062, 73.5740

Monochromacy



Original Color

76.6982, 80.7182, 49.0739

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.8963, 80.2312, 71.1605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.6982, 80.7182, 49.0739 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, 230, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 169)  
}
```

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, 230, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 169) }
```

Border

The CSS property to change the border of an element to XYZ 76.6982, 80.7182, 49.0739 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, 230, 169) }
```


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

```
.border{ border-color:rgb(255, 230, 169) }
```

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

Here you see how a box with a 4 pixel rgb(255, 230, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 76.6982, 80.7182, 49.0739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 169) }
```

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

```
.background{ background-color: rgb(255,  
230, 169) }
```

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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