

# Converting Colors

XYZ(72.1935, 80.0256, 49.0928)

Have a look what the booklet for  
XYZ(72.1935, 80.0256, 49.0928)  
contains.

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# Color

**XYZ(72.1809, 80.0609,  
49.1851)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFEAA9
RGB	239, 234, 169
RGB Percent	94%, 92%, 66%
CMY	0.0627, 0.0823, 0.3372
CMYK	0.00, 0.02, 0.29, 0.06
HSL	56°, 69%, 80%
HSV	56°, 29%, 94%
XYZ	72.1809, 80.0609, 49.1851
YIQ	228.0850, 23.8450, -19.1550

# Conversions

## Conversions Part 2

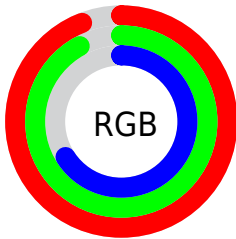
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">174, 239, 169</a>
Decimal	<a href="#">15723177</a>
<a href="#">CIELab</a>	<a href="#">91.71, -8.10, 32.25</a>
<a href="#">CIELCh</a>	<a href="#">92, 33.255, 104.101</a>
<a href="#">Yxy</a>	<a href="#">80.0609, 0.3583, 0.3975</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4293913257 (0xFFEFEEAA9)</a>
<a href="#">YUV</a>	<a href="#">228.0850, -29.1289, 9.5725</a>
<a href="#">Hunter-Lab</a>	<a href="#">89.4768, -12.5884, 30.0422</a>

# Details

The XYZ color **72.1809, 80.0609, 49.1851** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.0782, 44.9381, 87.8544**, and the grayscale version is **74.0010, 77.8548, 84.7839**.

A 20% lighter version of the original color is **90.5906, 98.2162, 85.4172**, and **38.3642, 43.0468, 22.8099** is the 20% darker color. If you saturate the color by 10%, you get **69.6568, 78.2809, 38.2678**, and if you desaturate by 10%, it is **75.1239, 82.0215, 62.2672**.

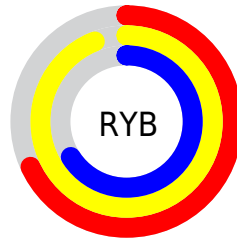
# Distribution



Red (94%)

Green (92%)

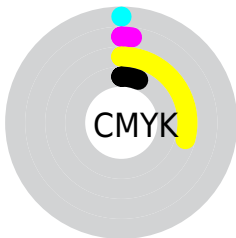
Blue (66%)



Red (68%)

Yellow (94%)

Blue (66%)

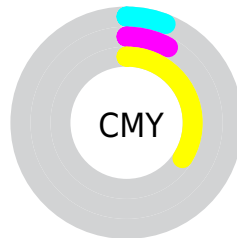


Cyan (0%)

Magenta (2%)

Yellow (29%)

Black (6%)



Cyan (6%)

Magenta (8%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1809, 80.0609, 49.1851 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 72.1809, 80.0609, 49.1851 by changing the saturation by 10% instead.





 72.1809, 80.0609,  
49.1851

 72.1809, 80.0609,  
49.1851


457.3189,  
495.1380, 400.1140

 53.5925, 59.7685,  
34.3997


 121.3231,  
133.4514, 90.3501

 38.5053, 43.2320,  
22.9210


152.6076,  
167.3182, 117.5669

 26.5541, 30.0672,  
14.3304


188.8547,  
206.4786, 149.7644

 17.3735, 19.8896,  
8.2095

230.4300,  
251.3169, 187.3614

 10.5981, 12.3148,  
4.1396

277.6987,  
302.2177, 230.7763

 5.8626, 6.9585,  
1.7022

331.0262,

 2.8015, 3.4361,

359.5652, 280.4276

0.3623

390.7778,  
423.7438, 336.7340

■ 1.0497, 1.3634,  
0.0000

■ 0.0000, 0.1895,  
0.0000

■ 72.1809, 80.0609,  
49.1851

■ 72.1809, 80.0609,  
49.1851

■ 69.6568, 78.2809,  
38.2678

■ 75.1239, 82.0215,  
62.2672

■ 67.5232, 76.6618,  
29.3926

■ 78.5004, 84.1602,  
77.6181

■ 65.7575, 75.1973,  
22.4320

■ 82.3317, 86.4883,  
95.3408

■ 64.3324, 73.8765,  
17.2424

■ 85.0509, 88.3792,  
107.1840

■ 63.2168, 72.6868,  
13.6597

■ 85.5576, 89.3925,  
107.3529

■ 62.3738, 71.6136,  
11.4895

■ 86.0691, 90.4154,  
107.5233

■ 61.7456, 70.6337,  
10.4282

■ 86.5852, 91.4478,  
107.6954

■ 61.7041, 70.5654,  
10.3683

■ 87.1062, 92.4897,  
107.8690

■ 87.6319, 93.5411,  
108.0443

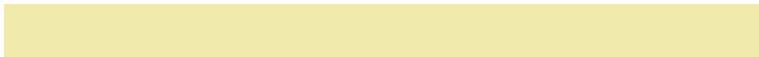
# Harmonies

## Analogous

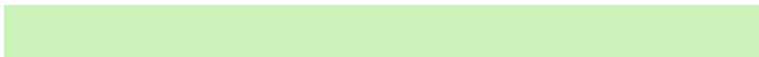
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6635, 80.0609, 49.4454



72.1809, 80.0609, 49.1851



65.2738, 80.0609, 57.6823

# Triad

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



72.1809, 80.0609, 49.1851



64.9466, 80.0609, 123.9928



92.9299, 80.0609, 100.6414

# Complementary

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



72.1809, 80.0609, 49.1851



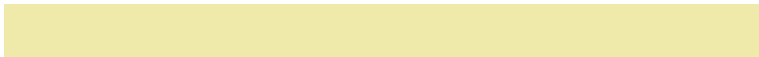
47.0782, 44.9381, 87.8544

# Split Complementary

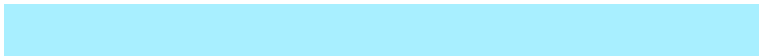
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0517, 80.0609, 125.3122



72.1809, 80.0609, 49.1851



71.7033, 80.0609, 140.4131

# Square

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



72.1809, 80.0609, 49.1851



61.3127, 80.0609, 99.0867



80.1491, 80.0609, 140.9366



93.0818, 80.0609, 76.2542

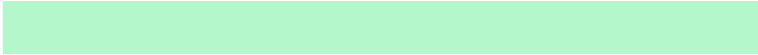


# Rectangle

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



72.1809, 80.0609, 49.1851



62.3135, 80.0609, 68.2759



80.1491, 80.0609, 140.9366



91.7730, 80.0609, 109.2694

# Sweetspot

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



72.1829, 80.0645, 49.1868



91.0524, 97.5687, 90.4148



57.5069, 49.8163, 47.0573



19.3594, 20.8032, 18.7584



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

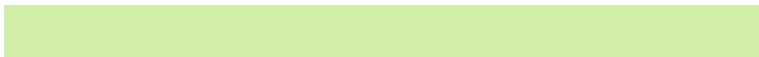
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1829, 80.0645, 49.1868



81.8620, 91.5280, 49.3084



64.5595, 78.2753, 49.2432



17.0207, 18.2546, 16.7761



34.1401, 39.0782, 5.7435



2.8688, 3.3083, 0.4874



# Inverse Universe

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



47.0782, 44.9381, 87.8544



48.4985, 44.8500, 100.7085



53.1015, 46.6374, 87.8649



14.9878, 15.4098, 19.9060



8.7551, 3.7344, 45.3872

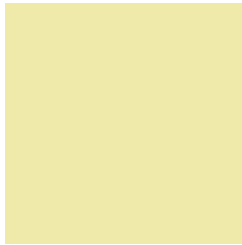


0.7597, 0.3734, 3.7862



# Previews

## White Background



This preview shows how the XYZ color 72.1809, 80.0609, 49.1851 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

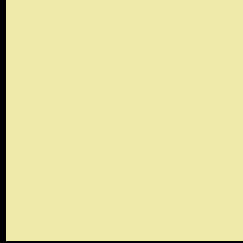
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.1809, 80.0609, 49.1851 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

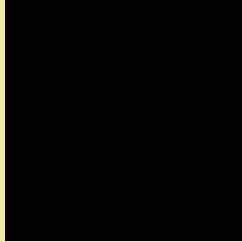
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

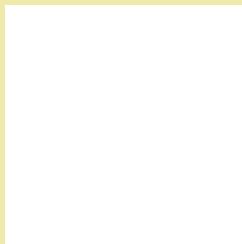
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 72.1809, 80.0609, 49.1851

## Background



This preview shows how black text looks on a background with the XYZ color 72.1809, 80.0609, 49.1851.



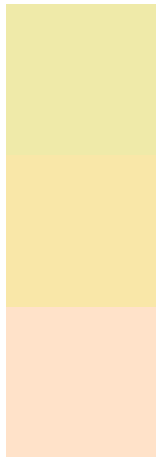
This preview shows how white text looks on a background with the XYZ color 72.1809, 80.0609,



# 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

72.1809, 80.0609, 49.1851

### Protanopia

74.7107, 80.1187, 48.5726

### Deuteranopia

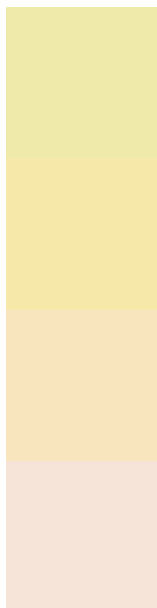
78.9790, 79.8698, 66.5121



## Tritanopia

81.3941, 79.6786, 95.0940

# Trichromacy



## Original Color

72.1809, 80.0609, 49.1851

## Protanomaly

73.5807, 79.9529, 48.6001

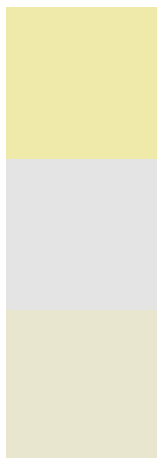
## Deuteranomaly

76.2715, 79.8525, 59.5372

## Tritanomaly

77.6653, 79.8056, 75.6006

# Monochromacy



## Original Color

72.1809, 80.0609, 49.1851

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

72.8380, 78.2544, 70.2971

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.1809, 80.0609, 49.1851 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(239, 234, 169)` looks like.

```
.text, #text, p{  
    color:rgb(239, 234, 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(239, 234, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 234, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 72.1809, 80.0609, 49.1851 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(239, 234, 169) }
```



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

```
.border{ border-color:rgb(239, 234, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 234, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 234, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 234, 169);  
box-shadow:4px 4px 4px 4px rgb(239, 234,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.1809, 80.0609, 49.1851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 234, 169) }
```

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

```
.background{ background-color: rgb(239,  
234, 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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