

# Converting Colors

XYZ(72.2219, 74.2925, 46.5555)

Have a look what the booklet for  
XYZ(72.2219, 74.2925, 46.5555)  
contains.

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# **Color**

**XYZ(72.2598, 74.4488,  
46.6379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">FBDCA6</a>
RGB	<a href="#">251, 220, 166</a>
RGB Percent	<a href="#">98%, 86%, 65%</a>
CMY	<a href="#">0.0157, 0.1372, 0.3490</a>
CMYK	<a href="#">0.00, 0.12, 0.34, 0.02</a>
HSL	<a href="#">38°, 91%, 82%</a>
HSV	<a href="#">38°, 34%, 98%</a>
XYZ	<a href="#">72.2598, 74.4488, 46.6379</a>
YIQ	<a href="#">223.1130, 35.8100, -10.2220</a>

# Conversions

## Conversions Part 2

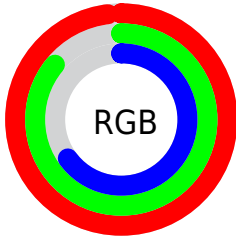
Format	Color
RYB	215, 251, 166
Decimal	16506022
CIELab	89.13, 3.18, 30.50
CIElCh	89, 30.670, 84.055
Yxy	74.4488, 0.3737, 0.3851
Android (android.graphics.Color)	4294696102 (0xFFFBDC A6)
YUV	223.1130, -28.1567, 24.4569
Hunter-Lab	86.2837, -1.5086, 28.3513

# Details

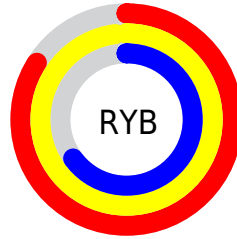
The XYZ color **72.2598, 74.4488, 46.6379** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.1042, 55.0028, 99.0846**, and the grayscale version is **70.3972, 74.0633, 80.6549**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **38.4847, 39.4626, 21.5083** is the 20% darker color. If you saturate the color by 10%, you get **67.8421, 68.9454, 34.8932**, and if you desaturate by 10%, it is **77.2622, 80.4019, 60.7960**.

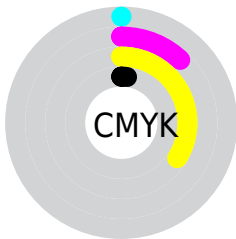
# Distribution



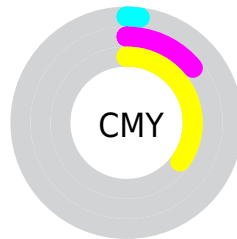
- Red (98%)
- Green (86%)
- Blue (65%)



- Red (84%)
- Yellow (98%)
- Blue (65%)



- Cyan (0%)
- Magenta (12%)
- Yellow (34%)
- Black (2%)




- Cyan (2%)
- Magenta (14%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.2598, 74.4488, 46.6379 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 72.2598, 74.4488, 46.6379 by changing the saturation by 10% instead.




 72.2598, 74.4488,  
46.6379


 72.2598, 74.4488,  
46.6379


457.5890,  
476.0209, 389.7192

 53.6572, 55.1614,  
32.3972


 121.4346,  
125.5318, 86.5172

 38.5572, 39.5310,  
21.3977


 152.7375,  
158.0962, 112.9928

 26.5946, 27.1731,  
13.2210

189.0045,  
195.8552, 144.3839

 17.4040, 17.7032,  
7.4484

230.6010,  
239.1930, 181.1089

 10.6200, 10.7371,  
3.6614

277.8924,  
288.4941, 223.5864

 5.8774, 5.8904,  
1.4415


331.2439,

 2.8106, 2.7785,

344.1428, 272.2349


0.1738


391.0210,  
406.5236, 327.4730


 1.0544, 1.0172,  
0.0000


 0.0000, 0.0000,  
0.0000


 72.2598, 74.4488,  
46.6379


 72.2598, 74.4488,  
46.6379


 67.8421, 68.9454,  
34.8932


 77.2622, 80.4019,  
60.7960

 63.9751, 63.8667,  
25.4183

 82.8698, 86.8081,  
77.4906

 60.6296, 59.2002,  
18.0615

 89.1088, 93.6837,  
96.8420

 57.7708, 54.9287,  
12.6504

 93.5937, 99.2493,  
108.8318

■ 55.3585, 51.0323,  
8.9850

■ 53.3445, 47.4882,  
6.8217

■ 52.2638, 45.4693,  
6.0219

# Harmonies

## Analogous

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



79.5344, 74.4488, 52.1054



72.2598, 74.4488, 46.6379



65.0652, 74.4488, 48.9954

# Triad

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



72.2598, 74.4488, 46.6379



58.4361, 74.4488, 99.0173



83.0416, 74.4488, 107.6934

# Complementary

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



72.2598, 74.4488, 46.6379



53.1042, 55.0028, 99.0846

# 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.



76.7807, 74.4488, 124.7390



72.2598, 74.4488, 46.6379



62.6584, 74.4488, 119.1447

# Square

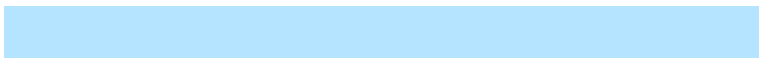
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2598, 74.4488, 46.6379



57.4119, 74.4488, 76.8748



69.2838, 74.4488, 129.2605



86.0347, 74.4488, 85.3987



# Rectangle

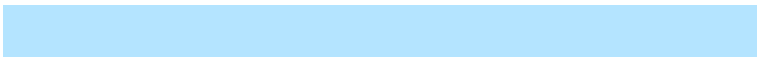
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.2598, 74.4488, 46.6379



61.2339, 74.4488, 54.9415



69.2838, 74.4488, 129.2605



81.2290, 74.4488, 114.3741

# Sweetspot

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



72.2617, 74.4522, 46.6394



88.3179, 92.6753, 87.7286



63.5176, 51.8213, 59.5790



18.7127, 19.6245, 18.1893



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.



72.2617, 74.4522, 46.6394



71.5625, 73.0388, 39.3707



77.2026, 90.2147, 49.4215



18.1641, 19.0641, 18.1848



27.6154, 24.1875, 3.2132



2.6585, 2.4419, 0.3312



# Inverse Universe

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



53.1042, 55.0028, 99.0846



48.8166, 49.9586, 101.6778



49.2570, 43.6247, 97.0912



16.8012, 17.6792, 21.9122



11.2691, 7.8937, 48.9032



1.1407, 0.9251, 4.5616



# Previews

## White Background



This preview shows how the XYZ color 72.2598, 74.4488, 46.6379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

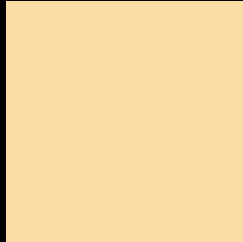
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.2598, 74.4488, 46.6379 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 72.2598, 74.4488, 46.6379**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.2598, 74.4488, 46.6379.



This preview shows how white text looks on a background with the XYZ color 72.2598, 74.4488,



# 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

72.2598, 74.4488, 46.6379

### Protanopia

69.6587, 74.6637, 47.7859

### Deuteranopia

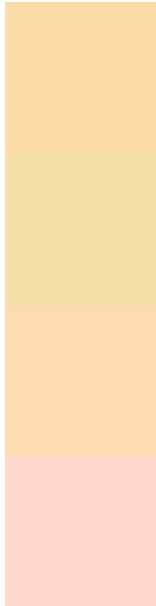
74.6001, 74.3046, 55.2101



## Tritanopia

79.0378, 74.4499, 83.6033

# Trichromacy



## Original Color

72.2598, 74.4488, 46.6379

## Protanomaly

70.6710, 74.7985, 47.2720

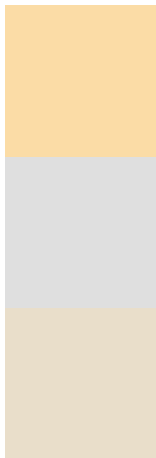
## Deuteranomaly

73.8803, 74.3880, 52.0594

## Tritanomaly

76.4484, 74.5903, 68.1257

# Monochromacy



## Original Color

72.2598, 74.4488, 46.6379

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

70.3862, 73.8305, 66.4181

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.2598, 74.4488, 46.6379 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(251, 220, 166)` looks like.

```
.text, #text, p{  
    color:rgb(251, 220, 166)  
}
```

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(251, 220, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 220, 166) }
```

## Border

The CSS property to change the border of an element to XYZ 72.2598, 74.4488, 46.6379 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(251, 220, 166) }
```



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

```
.border{ border-color:rgb(251, 220, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 220, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 220, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 220, 166);  
box-shadow:4px 4px 4px 4px rgb(251, 220,  
166) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.2598, 74.4488, 46.6379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 220, 166) }
```

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

```
.background{ background-color: rgb(251,  
220, 166) }
```

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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