

# Converting Colors

XYZ(72.0093, 71.6385, 46.5915)

Have a look what the booklet for XYZ(72.0093, 71.6385, 46.5915) contains.

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# Color

**XYZ(72.0093, 71.6385,  
46.5915)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD5A7
RGB	255, 213, 167
RGB Percent	100%, 84%, 65%
CMY	0.0000, 0.1647, 0.3451
CMYK	0.00, 0.16, 0.35, 0.00
HSL	31°, 100%, 83%
HSV	31°, 35%, 100%
XYZ	72.0093, 71.6385, 46.5915
YIQ	220.3140, 39.7980, -5.4020

# Conversions

## Conversions Part 2

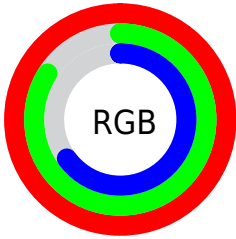
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	247, 255, 167
Decimal	16766375
CIE <sub>Lab</sub>	87.79, 8.42, 28.24
CIE <sub>LCh</sub>	88, 29.474, 73.393
Yxy	71.6385, 0.3785, 0.3766
Android (android.graphics.Color)	4294956455 (0xFFFFD5A7)
YUV	220.3140, -26.2838, 30.4196
Hunter-Lab	84.6395, 3.7444, 26.6103

# Details

The XYZ color **72.0093, 71.6385, 46.5915** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.7861, 61.0344, 103.3956**, and the grayscale version is **68.4068, 71.9693, 78.3745**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **38.3473, 37.5618, 21.4487** is the 20% darker color. If you saturate the color by 10%, you get **66.9339, 64.8956, 34.3938**, and if you desaturate by 10%, it is **77.7828, 79.0333, 61.3166**.

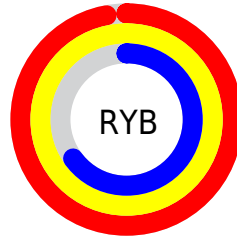
# Distribution



Red (100%)

Green (84%)

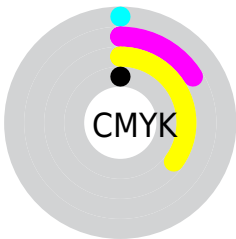
Blue (65%)



Red (97%)

Yellow (100%)

Blue (65%)

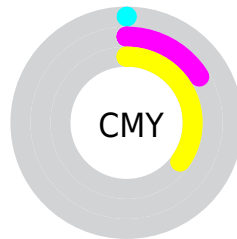


Cyan (0%)

Magenta (16%)

Yellow (35%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0093, 71.6385, 46.5915 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 72.0093, 71.6385, 46.5915 by changing the saturation by 10% instead.





 72.0093, 71.6385,  
46.5915


 72.0093, 71.6385,  
46.5915


456.7311,  
466.2824, 389.5281

 53.4518, 52.8634,  
32.3608


 121.0805,  
121.5424, 86.4471

 38.3925, 37.6938,  
21.3701


 152.3248,  
153.4401, 112.9091

 26.4660, 25.7451,  
13.2010


188.5288,  
190.4807, 144.2853

 17.3071, 16.6330,  
7.4347

230.0579,  
233.0487, 180.9943

 10.5503, 9.9732,  
3.6529

277.2772,  
281.5285, 223.4545

 5.8304, 5.3812,  
1.4369

330.5523,

 2.7819, 2.4726,

336.3044, 272.0845

0.1703

390.2485,  
397.7609, 327.3028

■ 1.0395, 0.8629,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 72.0093, 71.6385,  
46.5915

■ 72.0093, 71.6385,  
46.5915

■ 66.9339, 64.8956,  
34.3938

■ 77.7828, 79.0333,  
61.3166

■ 62.5189, 58.7738,  
24.5729

■ 84.2790, 87.0899,  
78.6990

■ 58.7304, 53.2538,  
16.9688

■ 91.5280, 95.8303,  
98.8650

■ 55.5290, 48.3112,  
11.3996

95.0500, 100.0000,  
108.9000

■ 52.8692, 43.9190,  
7.6540

■ 50.6964, 40.0459,  
5.4732

■ 49.6702, 38.1205,  
4.7401

# Harmonies

## Analogous

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



78.3447, 71.6385, 54.4076



72.0093, 71.6385, 46.5915



65.0205, 71.6385, 46.1958

# Triad

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



72.0093, 71.6385, 46.5915



55.8200, 71.6385, 87.2742



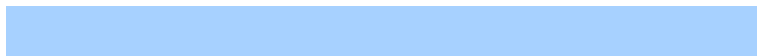
77.7601, 71.6385, 109.4936

# Complementary

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



72.0093, 71.6385, 46.5915



56.7861, 61.0344, 103.3956

# 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.



71.2552, 71.6385, 121.8226



72.0093, 71.6385, 46.5915



58.7720, 71.6385, 107.5884

# Square

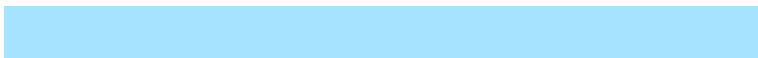
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.0093, 71.6385, 46.5915



55.9913, 71.6385, 67.4973



64.3160, 71.6385, 121.0711



81.8175, 71.6385, 89.5440



# Rectangle

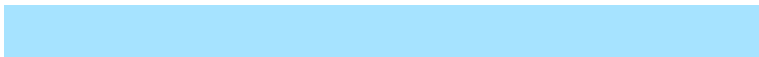
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0093, 71.6385, 46.5915



60.9489, 71.6385, 50.0459



64.3160, 71.6385, 121.0711



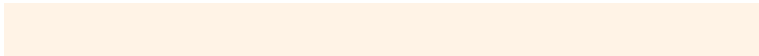
75.7687, 71.6385, 114.8081

# Sweetspot

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



72.0111, 71.6418, 46.5930



87.4529, 90.9453, 87.4402



66.6340, 53.5281, 67.4890



18.5032, 19.2056, 18.1195



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.



72.0111, 71.6418, 46.5930



68.6384, 67.1907, 38.3960



83.4377, 95.2930, 50.5559



18.7952, 19.5585, 18.9289



26.1044, 20.2200, 2.5270



2.6511, 2.1876, 0.2825

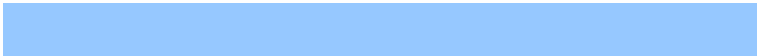


# Inverse Universe

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



56.7861, 61.0344, 103.3956



51.4443, 55.2141, 102.5537



48.1174, 43.2344, 100.4168



17.7181, 18.8078, 22.9464



13.1954, 11.3004, 50.9203



1.3933, 1.3174, 4.9941



# Previews

## White Background



This preview shows how the XYZ color 72.0093, 71.6385, 46.5915 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

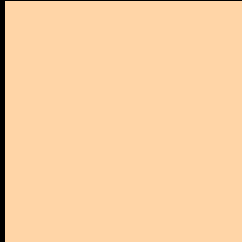
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.0093, 71.6385, 46.5915 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 72.0093, 71.6385, 46.5915**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.0093, 71.6385, 46.5915.



This preview shows how white text looks on a background with the XYZ color 72.0093, 71.6385,



# 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

72.0093, 71.6385, 46.5915

### Protanopia

67.1098, 71.7508, 48.3424

### Deuteranopia

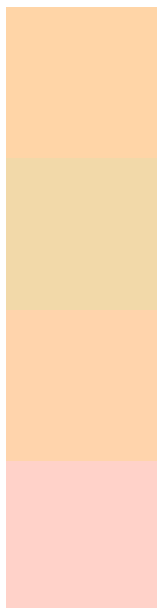
72.5213, 71.4421, 50.5249



## Tritanopia

76.8470, 71.5922, 78.1750

# Trichromacy



## Original Color

72.0093, 71.6385, 46.5915

## Protanomaly

68.5922, 71.3675, 47.6962

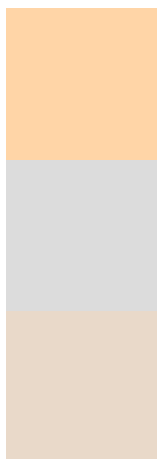
## Deuteranomaly

72.2299, 71.3255, 48.9900

## Tritanomaly

74.8292, 71.5702, 65.1289

# Monochromacy



## Original Color

72.0093, 71.6385, 46.5915

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

68.9597, 71.1664, 65.3603

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.0093, 71.6385, 46.5915 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, 213, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 213, 167)  
}
```

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, 213, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 213, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 72.0093, 71.6385, 46.5915 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, 213, 167) }
```



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

```
.border{ border-color:rgb(255, 213, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 213, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 213, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 213, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 213,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.0093, 71.6385, 46.5915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 213, 167) }
```

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

```
.background{ background-color: rgb(255,  
213, 167) }
```

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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