

# Converting Colors

XYZ(73.8980, 71.0057, 46.2472)

Have a look what the booklet for  
XYZ(73.8980, 71.0057, 46.2472)  
contains.

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# Color

**XYZ(71.0155, 69.6509,  
46.2603)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD1A7
RGB	255, 209, 167
RGB Percent	100%, 82%, 65%
CMY	0.0000, 0.1804, 0.3451
CMYK	0.00, 0.18, 0.35, 0.00
HSL	29°, 100%, 83%
HSV	29°, 35%, 100%
XYZ	71.0155, 69.6509, 46.2603
YIQ	217.9660, 40.8980, -3.3100

# Conversions

## Conversions Part 2

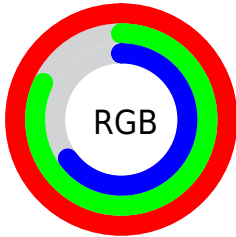
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 247, 167</a>
Decimal	<a href="#">16765351</a>
CIELab	<a href="#">86.83, 10.49, 26.93</a>
CIELCh	<a href="#">87, 28.904, 68.712</a>
Yxy	<a href="#">69.6509, 0.3799, 0.3726</a>
Android (android.graphics.Color)	<a href="#">4294955431</a> ( <a href="#">0xFFFFD1A7</a> )
YUV	<a href="#">217.9660, -25.1262, 32.4788</a>
Hunter-Lab	<a href="#">83.4571, 5.8396, 25.5555</a>

# Details

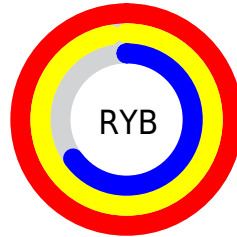
The XYZ color **71.0155, 69.6509, 46.2603** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **57.7799, 63.0220, 103.7269**, and the grayscale version is **66.7666, 70.2437, 76.4954**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **37.8418, 36.5508, 21.2802** is the 20% darker color. If you saturate the color by 10%, you get **65.7526, 62.5330, 34.0001**, and if you desaturate by 10%, it is **77.0203, 77.5084, 61.0624**.

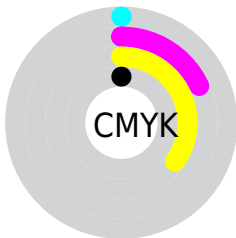
# Distribution



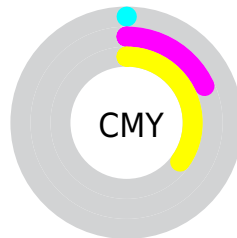
- Red (100%)
- Green (82%)
- Blue (65%)



- Red (100%)
- Yellow (97%)
- Blue (65%)



- Cyan (0%)
- Magenta (18%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0155, 69.6509, 46.2603 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 71.0155, 69.6509, 46.2603 by changing the saturation by 10% instead.




 71.0155, 69.6509,  
46.2603


 71.0155, 69.6509,  
46.2603

453.3186,  
459.3233, 388.1621

 52.6374, 51.2420,  
32.1011


 119.6742,  
118.7108, 85.9468

 37.7397, 36.4012,  
21.1733


 150.6855,  
150.1305, 112.3112

 25.9570, 24.7442,  
13.0583


186.6386,  
186.6560, 143.5811

 16.9240, 15.8866,  
7.3375

227.8989,  
228.6716, 180.1751

 10.2753, 9.4439,  
3.5924

274.8317,  
276.5618, 222.5116

 5.6455, 5.0319,  
1.4045

327.8023,

 2.6694, 2.2660,

330.7108, 271.0093

0.1452

387.1762,  
391.5032, 326.0866

0.9814, 0.7556,  
0.0000

0.0000, 0.0000,  
0.0000

71.0155, 69.6509,  
46.2603

71.0155, 69.6509,  
46.2603

65.7526, 62.5330,  
34.0001

77.0203, 77.5084,  
61.0624

61.1923, 56.1206,  
24.1307

83.7935, 86.1187,  
78.5372

57.2990, 50.3910,  
16.4917

91.3663, 95.5068,  
98.8111

54.0314, 45.3162,  
10.9004

95.0500, 100.0000,  
108.9000

■ 51.3422, 40.8650,  
7.1451

■ 49.1746, 37.0023,  
4.9659

■ 48.1652, 35.1104,  
4.2384

# Harmonies

## Analogous

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



76.8304, 69.6509, 54.9246



71.0155, 69.6509, 46.2603



64.2586, 69.6509, 44.7642

# Triad

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



71.0155, 69.6509, 46.2603



54.2062, 69.6509, 81.5965



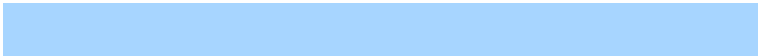
74.6362, 69.6509, 108.6199

# Complementary

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



71.0155, 69.6509, 46.2603



57.7799, 63.0220, 103.7269

# 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.



68.1824, 69.6509, 118.7294



71.0155, 69.6509, 46.2603



56.6003, 69.6509, 101.4822

# Square

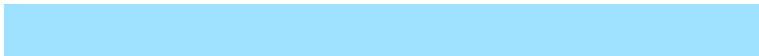
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.0155, 69.6509, 46.2603



54.8514, 69.6509, 63.1526



61.6093, 69.6509, 115.9166



79.0174, 69.6509, 90.1176



# Rectangle

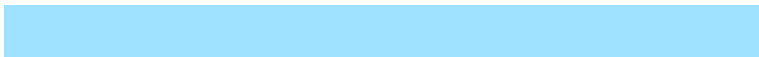
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.0155, 69.6509, 46.2603



60.1718, 69.6509, 47.7358



61.6093, 69.6509, 115.9166



72.6203, 69.6509, 113.2438

# Sweetspot

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



71.0172, 69.6541, 46.2617



87.1074, 90.2543, 87.3251



67.1883, 53.7498, 70.4078



18.4197, 19.0386, 18.0917



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.



71.0172, 69.6541, 46.2617



67.5180, 64.9498, 38.0225



83.0466, 93.7128, 50.2715



18.7247, 19.4175, 18.9054



25.3147, 18.6407, 2.2638



2.5734, 2.0321, 0.2566

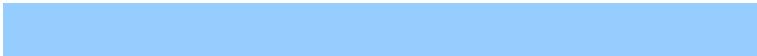


# Inverse Universe

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



57.7799, 63.0220, 103.7269



52.5647, 57.4548, 102.9272



48.3493, 44.1608, 100.5834



17.7886, 18.9489, 22.9699



13.9848, 12.8793, 51.1835



1.4711, 1.4729, 5.0200



# Previews

## White Background



This preview shows how the XYZ color 71.0155, 69.6509, 46.2603 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

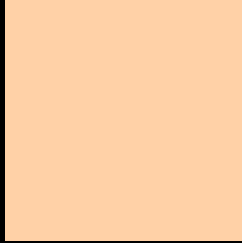
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0155, 69.6509, 46.2603 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

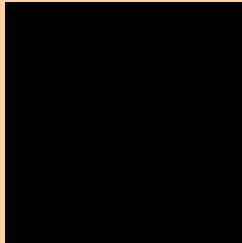
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.0155, 69.6509, 46.2603**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.0155, 69.6509, 46.2603.



This preview shows how white text looks on a background with the XYZ color 71.0155, 69.6509,



# 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

71.0155, 69.6509, 46.2603

### Protanopia

65.4423, 69.7218, 48.5366

### Deuteranopia

71.1083, 69.6881, 46.7491



## Tritanopia

75.4878, 69.5077, 75.7674

# Trichromacy



## Original Color

71.0155, 69.6509, 46.2603

## Protanomaly

67.2374, 69.5207, 47.9052

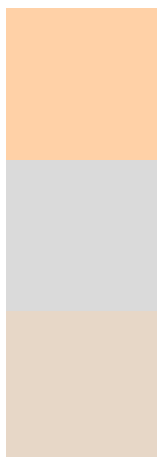
## Deuteranomaly

71.1083, 69.6881, 46.7491

## Tritanomaly

73.6201, 69.5261, 63.5725

# Monochromacy



## Original Color

71.0155, 69.6509, 46.2603

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

67.5642, 69.7133, 63.9278

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0155, 69.6509, 46.2603 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, 209, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 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, 209, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0155, 69.6509, 46.2603 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, 209, 167) }
```



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

```
.border{ border-color:rgb(255, 209, 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, 209, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0155, 69.6509, 46.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 167) }
```

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

```
.background{ background-color: rgb(255,  
209, 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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