

# Converting Colors

XYZ(87.0429, 80.2877, 42.0100)

Have a look what the booklet for  
XYZ(87.0429, 80.2877, 42.0100)  
contains.

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# Color

**XYZ(71.4568, 72.2274,  
41.1855)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFD79B
RGB	255, 215, 155
RGB Percent	100%, 84%, 61%
CMY	0.0000, 0.1568, 0.3921
CMYK	0.00, 0.16, 0.39, 0.00
HSL	36°, 100%, 80%
HSV	36°, 39%, 100%
XYZ	71.4568, 72.2274, 41.1855
YIQ	220.1200, 43.1000, -10.1800

# Conversions

## Conversions Part 2

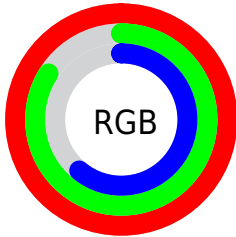
Format	Color
R <sub>Y</sub> B	222, 255, 155
Decimal	16766875
CIE Lab	88.08, 6.03, 34.80
CIE LCh	88, 35.323, 80.167
Yxy	72.2274, 0.3865, 0.3907
Android (android.graphics.Color)	4294956955 (0xFFFFD79B)
YUV	220.1200, -32.1042, 30.5898
Hunter-Lab	84.9867, 1.3560, 30.7581

# Details

The XYZ color **71.4568, 72.2274, 41.1855** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.0821, 53.2170, 102.1872**, and the grayscale version is **68.3089, 71.8662, 78.2623**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **38.0449, 37.9912, 18.1598** is the 20% darker color. If you saturate the color by 10%, you get **67.0213, 66.4291, 30.2340**, and if you desaturate by 10%, it is **76.5101, 78.5371, 54.5754**.

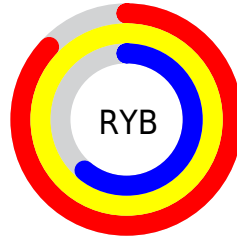
# Distribution



Red (100%)

Green (84%)

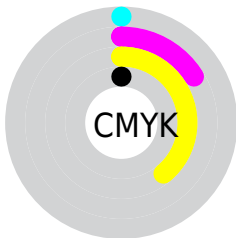
Blue (61%)



Red (87%)

Yellow (100%)

Blue (61%)

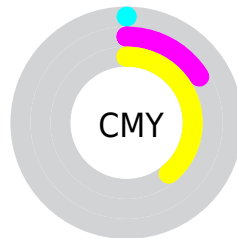


Cyan (0%)

Magenta (16%)

Yellow (39%)

Black (0%)



Cyan (0%)

Magenta (16%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4568, 72.2274, 41.1855 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 71.4568, 72.2274, 41.1855 by changing the saturation by 10% instead.




 71.4568, 72.2274,  
41.1855


 71.4568, 72.2274,  
41.1855


454.8357,  
468.3327, 366.7949

 52.9989, 53.3445,  
28.1433


 120.2989,  
122.3798, 78.2221

 38.0294, 38.0778,  
18.1937


 151.4139,  
154.4180, 103.0536

 26.1828, 26.0431,  
10.9183

187.4786,  
191.6101, 132.6519

 17.0939, 16.8559,  
5.8984

228.8584,  
234.3405, 167.4356

 10.3972, 10.1318,  
2.7156

275.9187,  
282.9936, 207.8232

 5.7273, 5.4864,  
0.9513

329.0247,

 2.7191, 2.5354,

337.9537, 254.2333

0.0000

388.5420,  
399.6053, 307.0843

■ 1.0070, 0.8943,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 71.4568, 72.2274,  
41.1855

■ 71.4568, 72.2274,  
41.1855

■ 67.0213, 66.4291,  
30.2340

■ 76.5101, 78.5371,  
54.5754

■ 63.1664, 61.1149,  
21.5644

■ 82.2048, 85.3643,  
70.5382

■ 59.8591, 56.2692,  
15.0086

■ 88.5697, 92.7276,  
89.2038

■ 57.0597, 51.8712,  
10.3732

95.0499, 100.0000,  
108.9000

■ 54.7216, 47.8973,  
7.4286

■ 52.7760, 44.3146,  
5.8295

■ 52.6335, 44.0472,  
5.7279

# Harmonies

## Analogous

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



79.5700, 72.2274, 48.0996



71.4568, 72.2274, 41.1855



63.2099, 72.2274, 42.6081

# Triad

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



71.4568, 72.2274, 41.1855



54.5254, 72.2274, 95.7653



81.8705, 72.2274, 112.3004

# Complementary

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



71.4568, 72.2274, 41.1855



51.0821, 53.2170, 102.1872

# 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.



74.3936, 72.2274, 130.7890



71.4568, 72.2274, 41.1855



58.7778, 72.2274, 119.9686

# Square

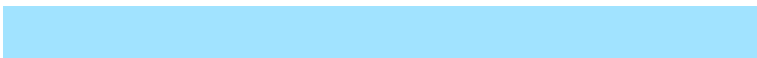
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.4568, 72.2274, 41.1855



53.8797, 72.2274, 70.9756



65.9176, 72.2274, 133.8514



85.8994, 72.2274, 86.8444



# Rectangle

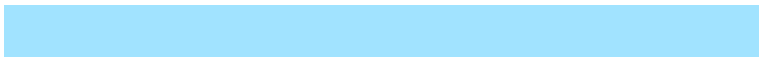
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.4568, 72.2274, 41.1855



58.7126, 72.2274, 48.2248



65.9176, 72.2274, 133.8514



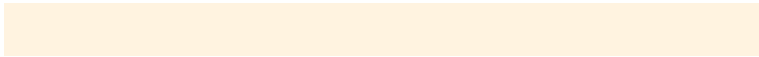
79.6497, 72.2274, 119.7387

# Sweetspot

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



71.4586, 72.2308, 41.1870



86.7282, 90.6222, 83.7265



62.8121, 48.6436, 57.7091



18.3825, 19.1886, 17.3871



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.



71.4586, 72.2308, 41.1870



67.9528, 67.6715, 32.4575



79.3327, 93.2990, 44.8385



18.9160, 19.8003, 18.9692



27.6523, 23.3158, 3.0430



2.7994, 2.4841, 0.3319

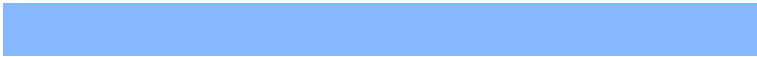


# Inverse Universe

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



51.0821, 53.2170, 102.1872



45.0165, 46.2846, 101.1689



45.2891, 38.6629, 99.6833



17.5992, 18.5700, 22.9067



12.0498, 9.0091, 50.5384



1.2767, 1.0840, 4.9552



# Previews

## White Background



This preview shows how the XYZ color 71.4568, 72.2274, 41.1855 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

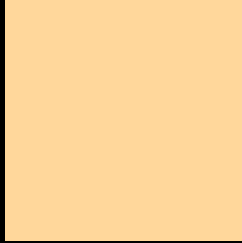
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.4568, 72.2274, 41.1855 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

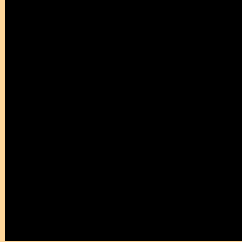
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.4568, 72.2274, 41.1855**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.4568, 72.2274, 41.1855.



This preview shows how white text looks on a background with the XYZ color 71.4568, 72.2274,

41.1855.

# 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

71.4568, 72.2274, 41.1855

### Protanopia

67.2879, 72.3587, 42.7679

### Deuteranopia

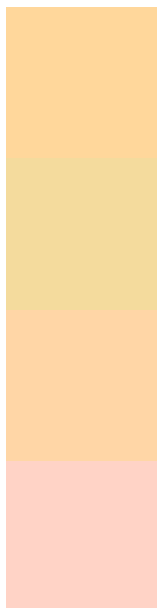
72.7330, 72.3317, 49.1577



## Tritanopia

77.2253, 72.1349, 78.9604

# Trichromacy



## Original Color

71.4568, 72.2274, 41.1855

## Protanomaly

68.7255, 72.3305, 42.2372

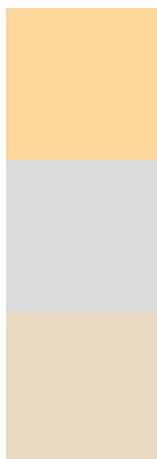
## Deuteranomaly

72.1695, 72.1063, 46.1906

## Tritanomaly

74.7273, 71.9257, 63.3706

# Monochromacy



## Original Color

71.4568, 72.2274, 41.1855

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

68.6395, 71.4520, 62.3985

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.4568, 72.2274, 41.1855 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, 215, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 155)  
}
```

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, 215, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 71.4568, 72.2274, 41.1855 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, 215, 155) }
```



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

```
.border{ border-color:rgb(255, 215, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.4568, 72.2274, 41.1855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 155) }
```

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

```
.background{ background-color: rgb(255,  
215, 155) }
```

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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