

Converting Colors

XYZ(119.2345, 100.0000,
31.8259)

Have a look what the booklet for
XYZ(119.2345, 100.0000, 31.8259)
contains.

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Color

**XYZ(70.9364, 74.9326,
29.4636)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDE7B
RGB	255, 222, 123
RGB Percent	100%, 87%, 48%
CMY	0.0000, 0.1294, 0.5176
CMYK	0.00, 0.13, 0.52, 0.00
HSL	45°, 100%, 74%
HSV	45°, 52%, 100%
XYZ	70.9364, 74.9326, 29.4636
YIQ	220.5810, 51.4470, -23.7930

Conversions

Conversions Part 2

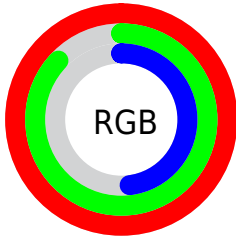
Format	Color
RYB	167, 255, 123
Decimal	16768635
CIELab	89.36, -0.61, 52.30
CIElCh	89, 52.300, 90.664
Yxy	74.9326, 0.4046, 0.4274
Android (android.graphics.Color)	4294958715 (0xFFFFDE7B)
YUV	220.5810, -48.1074, 30.1855
Hunter-Lab	86.5636, -5.2107, 40.4140

Details

The XYZ color **70.9364, 74.9326, 29.4636** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.1065, 35.2066, 99.3945**, and the grayscale version is **68.7363, 72.3159, 78.7520**.

A 20% lighter version of the original color is **84.9358, 95.9543, 55.6394**, and **37.7210, 39.8281, 11.6607** is the 20% darker color. If you saturate the color by 10%, you get **67.8829, 71.0562, 21.5700**, and if you desaturate by 10%, it is **74.4732, 79.1103, 39.5708**.

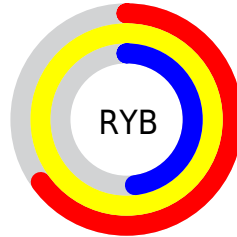
Distribution



Red (100%)

Green (87%)

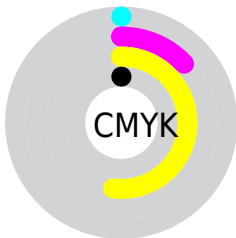
Blue (48%)



Red (65%)

Yellow (100%)

Blue (48%)

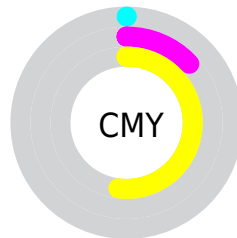


Cyan (0%)

Magenta (13%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9364, 74.9326, 29.4636 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 70.9364, 74.9326, 29.4636 by changing the saturation by 10% instead.

 70.9364, 74.9326,
29.4636

 70.9364, 74.9326,
29.4636


453.0464,
477.6859, 313.5252


 52.5726, 55.5577,
19.1832


 119.5622,
126.2169, 59.8638

 37.6878, 39.8484,
11.6246


 150.5549,
158.8952, 80.8207

 25.9166, 27.4204,
6.3692


 186.4880,
196.7766, 106.1735

 16.8936, 17.8892,
2.9984

227.7268,
240.2456, 136.3408

 10.2535, 10.8705,
1.0938

274.6367,
289.6867, 171.7410

 5.6309, 5.9798,
0.0000

327.5830,

 2.6605, 2.8328,

345.4842, 212.7928

0.0000

386.9311,
408.0224, 259.9147

■ 0.9769, 1.0451,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.9364, 74.9326,
29.4636

■ 70.9364, 74.9326,
29.4636

■ 67.8829, 71.0562,
21.5700

■ 74.4732, 79.1103,
39.5708

■ 65.2737, 67.4560,
15.7114

■ 78.5181, 83.5920,
52.0423

■ 63.0718, 64.1189,
11.6890

■ 83.1003, 88.3932,
67.0211

■ 61.2307, 61.0251,
9.2614

■ 88.2452, 93.5251,
84.6372

■ 59.9278, 58.6358,
8.1593

■ 93.9764, 98.9982,
105.0117

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



83.9692, 74.9326, 34.2853



70.9364, 74.9326, 29.4636



59.3948, 74.9326, 34.7455

Triad

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



70.9364, 74.9326, 29.4636



52.0834, 74.9326, 123.0634



94.8970, 74.9326, 121.2123

Complementary

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



70.9364, 74.9326, 29.4636



38.1065, 35.2066, 99.3945

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.



84.5216, 74.9326, 158.4544



70.9364, 74.9326, 29.4636



59.8335, 74.9326, 159.7291

Square

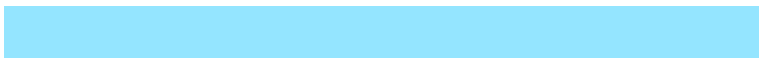
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9364, 74.9326, 29.4636



49.3417, 74.9326, 82.4083



71.5067, 74.9326, 174.2848



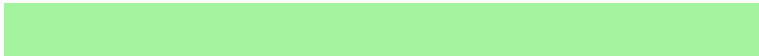
98.7672, 74.9326, 80.7749

Rectangle

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



70.9364, 74.9326, 29.4636



53.8349, 74.9326, 44.5767



71.5067, 74.9326, 174.2848



91.9977, 74.9326, 134.9040

Sweetspot

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



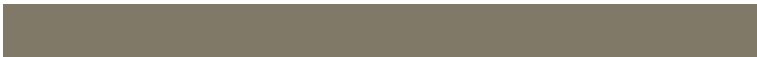
70.9382, 74.9361, 29.4651



85.9957, 91.3103, 76.8445



54.3241, 37.8269, 35.8915



18.1806, 19.3185, 15.6751



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.



70.9382, 74.9361, 29.4651



67.8165, 70.9682, 21.4088



69.4595, 88.4795, 32.1572



19.1542, 20.2765, 19.0486



31.4384, 30.8881, 4.3050



3.1476, 3.1805, 0.4480

Inverse Universe

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



38.1065, 35.2066, 99.3945



31.8322, 27.4820, 98.2346



38.8439, 28.4547, 98.0523



17.3718, 18.1153, 22.8310



10.4804, 5.8705, 50.0153



1.1026, 0.7360, 4.8972

Previews

White Background



This preview shows how the XYZ color 70.9364, 74.9326, 29.4636 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 70.9364, 74.9326, 29.4636 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 70.9364, 74.9326, 29.4636

Background



This preview shows how black text looks on a background with the XYZ color 70.9364, 74.9326, 29.4636.



This preview shows how white text looks on a background with the XYZ color 70.9364, 74.9326,

29.4636.

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

70.9364, 74.9326, 29.4636

Protanopia

68.9211, 75.0798, 29.9281

Deuteranopia

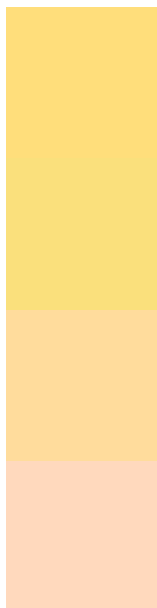
74.3094, 75.0182, 51.1209



Tritanopia

79.0140, 74.8441, 82.2334

Trichromacy



Original Color

70.9364, 74.9326, 29.4636

Protanomaly

69.7181, 75.0905, 29.8882

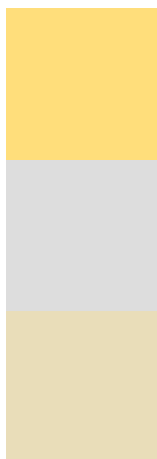
Deuteranomaly

72.8339, 74.8467, 42.0606

Tritanomaly

75.2382, 74.5598, 58.5701

Monochromacy



Original Color

70.9364, 74.9326, 29.4636

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.2177, 72.5393, 56.3050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9364, 74.9326, 29.4636 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, 222, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 123)  
}
```

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, 222, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 123) }
```

Border

The CSS property to change the border of an element to XYZ 70.9364, 74.9326, 29.4636 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, 222, 123) }
```


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

```
.border{ border-color:rgb(255, 222, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9364, 74.9326, 29.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 123) }
```

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

```
.background{ background-color: rgb(255,  
222, 123) }
```

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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