

Converting Colors

XYZ(132.9346, 103.5153,
44.5628)

Have a look what the booklet for
XYZ(132.9346, 103.5153, 44.5628)
contains.

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Color

**XYZ(71.2873, 71.7534,
41.5450)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD69C
RGB	255, 214, 156
RGB Percent	100%, 84%, 61%
CMY	0.0000, 0.1608, 0.3882
CMYK	0.00, 0.16, 0.39, 0.00
HSL	35°, 100%, 81%
HSV	35°, 39%, 100%
XYZ	71.2873, 71.7534, 41.5450
YIQ	219.6470, 43.0540, -9.3460

Conversions

Conversions Part 2

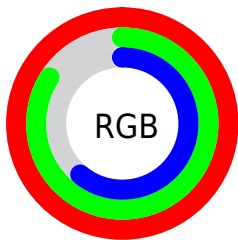
Format	Color
R _Y B	226, 255, 156
Decimal	16766620
CIE Lab	87.85, 6.66, 33.99
CIE LCh	88, 34.636, 78.920
Yxy	71.7534, 0.3862, 0.3887
Android (android.graphics.Color)	4294956700 (0xFFFFD69C)
YUV	219.6470, -31.3780, 31.0046
Hunter-Lab	84.7074, 1.9826, 30.2162

Details

The XYZ color **71.2873, 71.7534, 41.5450** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.7259, 54.2186, 102.3467**, and the grayscale version is **67.9737, 71.5136, 77.8783**.

A 20% lighter version of the original color is **88.7579, 97.4831, 75.7661**, and **37.9228, 37.6661, 18.3682** is the 20% darker color. If you saturate the color by 10%, you get **66.7648, 65.8087, 30.4796**, and if you desaturate by 10%, it is **76.4400, 78.2327, 55.0582**.

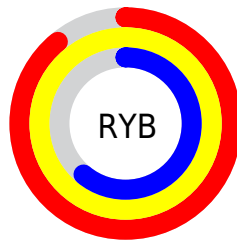
Distribution



Red (100%)

Green (84%)

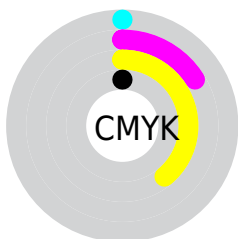
Blue (61%)



Red (89%)

Yellow (100%)

Blue (61%)

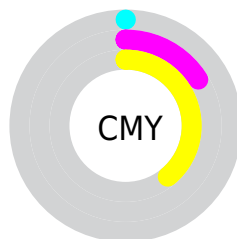


Cyan (0%)

Magenta (16%)

Yellow (39%)

Black (0%)



Cyan (0%)


Magenta (16%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.2873, 71.7534, 41.5450 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 71.2873, 71.7534, 41.5450 by changing the saturation by 10% instead.


 71.2873, 71.7534,
41.5450


 71.2873, 71.7534,
41.5450


454.2534,
466.6828, 368.3372

 52.8601, 52.9573,
28.4223


 120.0590,
121.7059, 78.7732

 37.9181, 37.7686,
18.4024


 151.1342,
153.6310, 103.7157

 26.0961, 25.8032,
11.0669


187.1561,
190.7012, 133.4353

 17.0286, 16.6765,
5.9971

228.4900,
233.3009, 168.3504

 10.3503, 10.0041,
2.7745

275.5014,
281.8146, 208.8796

 5.6959, 5.4017,
0.9807

328.5555,

 2.6999, 2.4848,

336.6265, 255.4414

0.0000

388.0177,
398.1211, 308.4544

■ 0.9971, 0.8690,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 71.2873, 71.7534,
41.5450

■ 71.2873, 71.7534,
41.5450

■ 66.7648, 65.8087,
30.4796

■ 76.4400, 78.2327,
55.0582

■ 62.8351, 60.3704,
21.7060

■ 82.2468, 85.2532,
71.1534

■ 59.4650, 55.4227,
15.0568

■ 88.7366, 92.8341,
89.9601

■ 56.6146, 50.9439,
10.3395

95.0500, 100.0000,
108.9000

■ 54.2374, 46.9097,
7.3262

■ 52.2670, 43.2878,
5.6868

■ 52.0522, 42.8844,
5.5341

Harmonies

Analogous

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



79.1402, 71.7534, 48.6918



71.2873, 71.7534, 41.5450



63.1939, 71.7534, 42.6071

Triad

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



71.2873, 71.7534, 41.5450



54.2930, 71.7534, 93.7701



80.8426, 71.7534, 111.8679

Complementary

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



71.2873, 71.7534, 41.5450



51.7259, 54.2186, 102.3467

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.



73.4626, 71.7534, 129.3444



71.2873, 71.7534, 41.5450



58.3166, 71.7534, 117.5298

Square

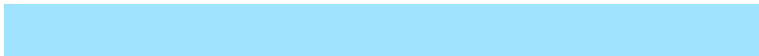
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.2873, 71.7534, 41.5450



53.8131, 71.7534, 69.7340



65.2021, 71.7534, 131.6030



84.9452, 71.7534, 87.1683

Rectangle

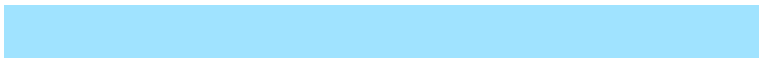
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.2873, 71.7534, 41.5450



58.7293, 71.7534, 47.8948



65.2021, 71.7534, 131.6030



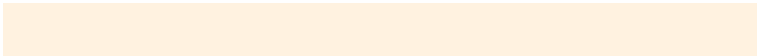
78.6366, 71.7534, 118.9778

Sweetspot

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



71.2891, 71.7568, 41.5465



86.5990, 90.3639, 83.6835



63.2356, 49.0803, 59.1149



18.3520, 19.1278, 17.3769



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.



71.2891, 71.7568, 41.5465



67.5442, 66.8543, 32.3213



80.0306, 93.6491, 45.3114



18.8938, 19.7558, 18.9618



27.3492, 22.7096, 2.9419



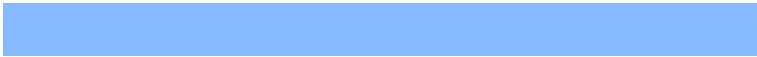
2.7707, 2.4268, 0.3224

Inverse Universe

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



51.7259, 54.2186, 102.3467



45.3684, 46.9885, 101.2863



45.3007, 38.9169, 99.7318



17.6209, 18.6133, 22.9140



12.2415, 9.3925, 50.6023



1.2966, 1.1239, 4.9619

Previews

White Background



This preview shows how the XYZ color 71.2873, 71.7534, 41.5450 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 71.2873, 71.7534, 41.5450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

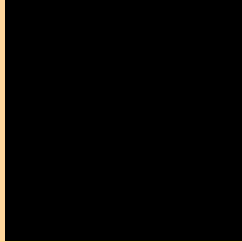
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.2873, 71.7534, 41.5450

Background



This preview shows how black text looks on a background with the XYZ color 71.2873, 71.7534, 41.5450.



This preview shows how white text looks on a background with the XYZ color 71.2873, 71.7534,

41.5450.

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

71.2873, 71.7534, 41.5450

Protanopia

66.7763, 71.6941, 43.1198

Deuteranopia

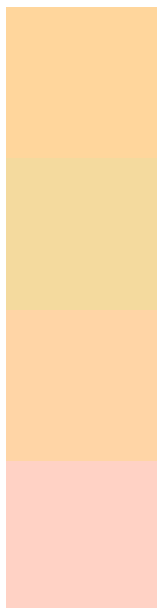
72.3849, 71.7888, 48.5696



Tritanopia

76.8470, 71.5922, 78.1750

Trichromacy



Original Color

71.2873, 71.7534, 41.5450

Protanomaly

68.5512, 71.8445, 42.6021

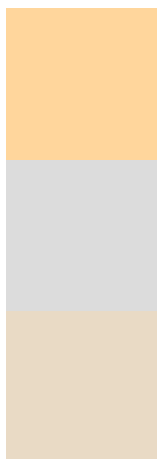
Deuteranomaly

71.9172, 71.6017, 46.1065

Tritanomaly

74.3646, 71.3844, 62.6825

Monochromacy



Original Color

71.2873, 71.7534, 41.5450

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.7537, 71.4977, 63.0000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2873, 71.7534, 41.5450 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, 214, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 214, 156)  
}
```

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, 214, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 214, 156) }
```

Border

The CSS property to change the border of an element to XYZ 71.2873, 71.7534, 41.5450 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, 214, 156) }
```


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

```
.border{ border-color:rgb(255, 214, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 214, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 214, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 214, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 214,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2873, 71.7534, 41.5450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 214, 156) }
```

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

```
.background{ background-color: rgb(255,  
214, 156) }
```

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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