

# Converting Colors

XYZ(186.8350, 133.1979,  
50.3933)

Have a look what the booklet for  
XYZ(186.8350, 133.1979, 50.3933)  
contains.

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# Color

**XYZ(73.1824, 74.5674,  
45.1861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDBA3
RGB	255, 219, 163
RGB Percent	100%, 86%, 64%
CMY	0.0000, 0.1412, 0.3608
CMYK	0.00, 0.14, 0.36, 0.00
HSL	37°, 100%, 82%
HSV	37°, 36%, 100%
XYZ	73.1824, 74.5674, 45.1861
YIQ	223.3800, 39.4320, -9.7840

# Conversions

## Conversions Part 2

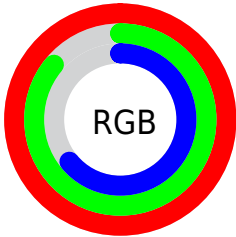
Format	Color
<a href="#">RYB</a>	<a href="#">222, 255, 163</a>
Decimal	<a href="#">16767907</a>
CIELab	<a href="#">89.19, 4.87, 32.18</a>
CIELCh	<a href="#">89, 32.548, 81.395</a>
Yxy	<a href="#">74.5674, 0.3793, 0.3865</a>
Android (android.graphics.Color)	<a href="#">4294957987</a> ( <a href="#">0xFFFFDBA3</a> )
YUV	<a href="#">223.3800, -29.7673, 27.7307</a>
Hunter-Lab	<a href="#">86.3524, 0.1594, 29.4217</a>

# Details

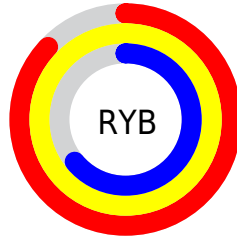
The XYZ color **73.1824, 74.5674, 45.1861** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **53.5770, 55.8515, 102.5643**, and the grayscale version is **70.5967, 74.2732, 80.8835**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **39.1707, 39.5689, 20.6120** is the 20% darker color. If you saturate the color by 10%, you get **68.5992, 68.6962, 33.5002**, and if you desaturate by 10%, it is **78.3860, 80.9418, 59.3531**.

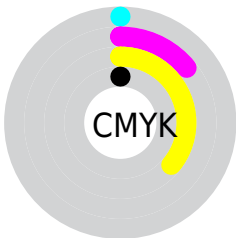
# Distribution



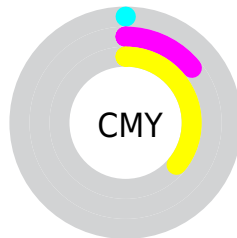
- Red (100%)
- Green (86%)
- Blue (64%)



- Red (87%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (14%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1824, 74.5674, 45.1861 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 73.1824, 74.5674, 45.1861 by changing the saturation by 10% instead.




 73.1824, 74.5674,  
45.1861


 73.1824, 74.5674,  
45.1861


460.7407,  
476.4294, 383.7088

 54.4140, 55.2586,  
31.2600


 122.7379,  
125.6998, 84.3210

 39.1648, 39.6088,  
20.5368


 154.2556,  
158.2922, 110.3669

 27.0692, 27.2336,  
12.5979


190.7540,  
196.0812, 141.2899

 17.7621, 17.7488,  
7.0248

232.5981,  
239.4512, 177.5084

 10.8780, 10.7698,  
3.3989

280.1536,  
288.7866, 219.4410

 6.0515, 5.9122,  
1.3018

333.7856,

 2.9174, 2.7918,

344.4718, 267.5062

0.0632

393.8595,  
406.8913, 322.1227

■ 1.1102, 1.0240,  
0.0000

■ 0.0336, 0.0000,  
0.0000

■ 73.1824, 74.5674,  
45.1861

■ 73.1824, 74.5674,  
45.1861

■ 68.5992, 68.6962,  
33.5002

■ 78.3860, 80.9418,  
59.3531

■ 64.6004, 63.3012,  
24.1433

■ 84.2326, 87.8246,  
76.1319

■ 61.1541, 58.3681,  
16.9535

■ 90.7503, 95.2338,  
95.6496

■ 58.2225, 53.8772,  
11.7458

95.0500, 100.0000,  
108.9000

■ 55.7618, 49.8061,  
8.3040

■ 53.7181, 46.1286,  
6.3597

■ 53.0002, 44.7804,  
5.8501

# Harmonies

## Analogous

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



80.8305, 74.5674, 51.5979



73.1824, 74.5674, 45.1861



65.4506, 74.5674, 46.9129

# Triad

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



73.1824, 74.5674, 45.1861



57.5914, 74.5674, 98.2042



83.4834, 74.5674, 111.6338

# Complementary

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



73.1824, 74.5674, 45.1861



53.5770, 55.8515, 102.5643

# 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.



76.5891, 74.5674, 129.0714



73.1824, 74.5674, 45.1861



61.7708, 74.5674, 120.3661

# Square

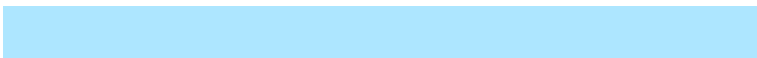
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1824, 74.5674, 45.1861



56.8284, 74.5674, 74.8249



68.6148, 74.5674, 132.5349



87.0620, 74.5674, 87.9088

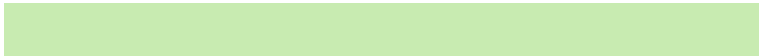


# Rectangle

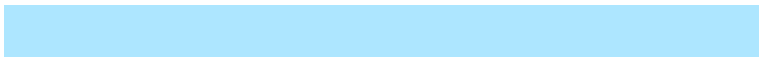
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.1824, 74.5674, 45.1861



61.2528, 74.5674, 52.6159



68.6148, 74.5674, 132.5349



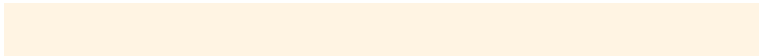
81.4535, 74.5674, 118.5961

# Sweetspot

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



73.1842, 74.5708, 45.1876



87.4566, 91.5201, 85.6926



64.7396, 51.6159, 61.0725



18.5314, 19.3750, 17.7803



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

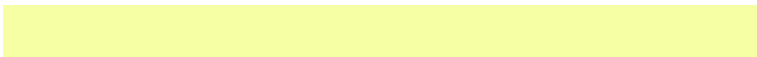
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1842, 74.5708, 45.1876



69.9464, 70.4523, 36.8419



80.3070, 93.7211, 48.5086



18.9297, 19.8276, 18.9737



27.8433, 23.6978, 3.1066



2.8174, 2.5201, 0.3379



# Inverse Universe

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



53.5770, 55.8515, 102.5643



47.8254, 49.3448, 101.6116



48.2051, 42.2086, 100.2141



17.5859, 18.5434, 22.9023



11.9357, 8.7811, 50.5004



1.2647, 1.0601, 4.9512



# Previews

## White Background



This preview shows how the XYZ color 73.1824, 74.5674, 45.1861 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 73.1824, 74.5674, 45.1861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

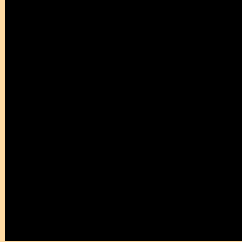
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.1824, 74.5674, 45.1861

## Background



This preview shows how black text looks on a background with the XYZ color 73.1824, 74.5674, 45.1861.



This preview shows how white text looks on a background with the XYZ color 73.1824, 74.5674,



# 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

73.1824, 74.5674, 45.1861

### Protanopia

69.7228, 74.7287, 46.3466

### Deuteranopia

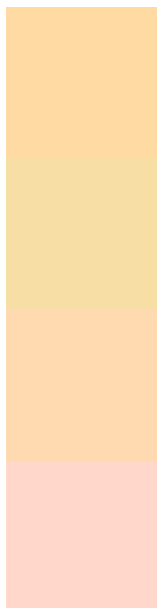
74.6001, 74.3046, 55.2101



## Tritanopia

78.7617, 74.3395, 82.1493

# Trichromacy



## Original Color

73.1824, 74.5674, 45.1861

## Protanomaly

70.8282, 74.5157, 45.7719

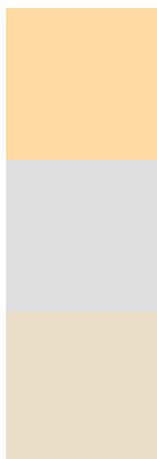
## Deuteranomaly

74.1479, 74.5374, 51.5534

## Tritanomaly

76.3199, 74.1727, 66.7942

# Monochromacy



## Original Color

73.1824, 74.5674, 45.1861

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

70.9248, 74.1218, 65.8271

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1824, 74.5674, 45.1861 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, 219, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 219, 163)  
}
```

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, 219, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 219, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1824, 74.5674, 45.1861 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, 219, 163) }
```



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

```
.border{ border-color:rgb(255, 219, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 219, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 219, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 219, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 219,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1824, 74.5674, 45.1861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 219, 163) }
```

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

```
.background{ background-color: rgb(255,  
219, 163) }
```

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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