

# Converting Colors

XYZ(107.4254, 94.1367,  
46.5441)

Have a look what the booklet for  
XYZ(107.4254, 94.1367, 46.5441)  
contains.

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# Color

**XYZ(74.4172, 77.1799,  
45.1574)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE0A2
RGB	255, 224, 162
RGB Percent	100%, 88%, 64%
CMY	0.0000, 0.1215, 0.3647
CMYK	0.00, 0.12, 0.36, 0.00
HSL	40°, 100%, 82%
HSV	40°, 36%, 100%
XYZ	74.4172, 77.1799, 45.1574
YIQ	226.2010, 38.3780, -12.7100

# Conversions

## Conversions Part 2

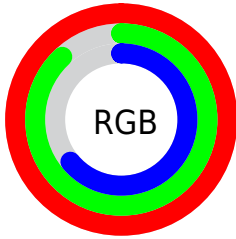
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 255, 162
Decimal	16769186
CIE <sub>Lab</sub>	90.40, 2.20, 34.31
CIE <sub>LCh</sub>	90, 34.377, 86.333
Yxy	77.1799, 0.3782, 0.3923
Android (android.graphics.Color)	4294959266 (0xFFFFE0A2)
YUV	226.2010, -31.6511, 25.2567
Hunter-Lab	87.8521, -2.5385, 31.0204

# Details

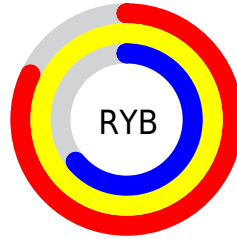
The XYZ color **74.4172, 77.1799, 45.1574** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.0197, 53.0396, 102.1036**, and the grayscale version is **72.6382, 76.4210, 83.2225**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **40.0284, 41.3720, 20.6277** is the 20% darker color. If you saturate the color by 10%, you get **70.1497, 71.9119, 33.6632**, and if you desaturate by 10%, it is **79.2624, 82.8673, 59.1134**.

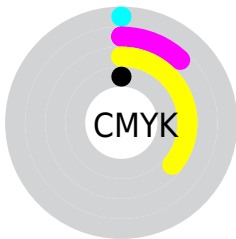
# Distribution



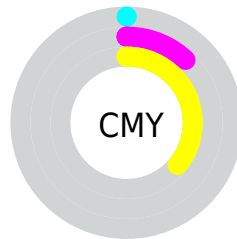
- Red (100%)
- Green (88%)
- Blue (64%)



- Red (82%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (12%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (12%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4172, 77.1799, 45.1574 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 74.4172, 77.1799, 45.1574 by changing the saturation by 10% instead.



 74.4172, 77.1799,  
45.1574


 74.4172, 77.1799,  
45.1574


464.9401,  
485.3772, 383.5894

 55.4281, 57.4005,  
31.2376


 124.4794,  
129.3934, 84.2775

 39.9797, 41.3269,  
20.5198


 156.2831,  
162.5963, 110.3149

 27.7069, 28.5746,  
12.5857


193.0891,  
201.0426, 141.2285

 18.2442, 18.7593,  
7.0165

235.2627,  
245.1165, 177.4369

 11.2262, 11.4965,  
3.3938

283.1692,  
295.2025, 219.3587

 6.2876, 6.4018,  
1.2991

337.1741,

 3.0630, 3.0909,

351.6851, 267.4123

0.0610

397.6426,  
414.9485, 322.0163

■ 1.1872, 1.1794,  
0.0000

■ 0.0962, 0.0448,  
0.0000

■ 74.4172, 77.1799,  
45.1574

■ 74.4172, 77.1799,  
45.1574

■ 70.1497, 71.9119,  
33.6632

■ 79.2624, 82.8673,  
59.1134

■ 66.4245, 67.0380,  
24.4782

■ 84.7068, 88.9767,  
75.6619

■ 63.2108, 62.5461,  
17.4403

■ 90.7774, 95.5245,  
94.9298

■ 60.4719, 58.4187,  
12.3640

95.0500, 100.0000,  
108.9000

■ 58.1647, 54.6357,  
9.0318

■ 56.2359, 51.1730,  
7.1719

■ 55.6177, 50.0154,  
6.7226

# Harmonies

## Analogous

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



82.8869, 77.1799, 50.5308



74.4172, 77.1799, 45.1574



66.2805, 77.1799, 48.4088

# Triad

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



74.4172, 77.1799, 45.1574



59.5443, 77.1799, 106.7821



87.9602, 77.1799, 113.0397

# Complementary

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



74.4172, 77.1799, 45.1574



52.0197, 53.0396, 102.1036

# 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.



80.9204, 77.1799, 133.8840



74.4172, 77.1799, 45.1574



64.5874, 77.1799, 129.8049

# Square

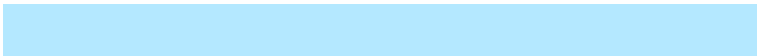
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.4172, 77.1799, 45.1574



58.0961, 77.1799, 81.0505



72.3073, 77.1799, 140.5469



91.0810, 77.1799, 87.0935

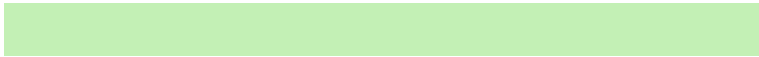


# Rectangle

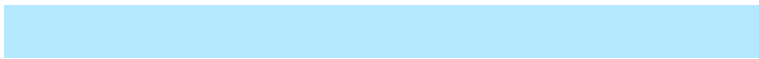
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.4172, 77.1799, 45.1574



62.0601, 77.1799, 55.4553



72.3073, 77.1799, 140.5469



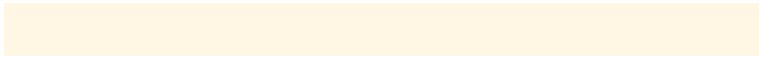
85.9482, 77.1799, 121.0570

# Sweetspot

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



74.4191, 77.1835, 45.1590



87.9482, 92.5032, 85.8564



63.7865, 50.9517, 56.9256



18.6488, 19.6097, 17.8194



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

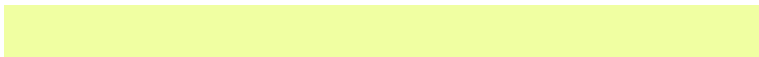
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.4191, 77.1835, 45.1590



71.1524, 73.1763, 36.2815



78.0475, 92.5666, 47.9370



19.0213, 20.0108, 19.0043



29.2044, 26.4201, 3.5604



2.9441, 2.7735, 0.3802



# Inverse Universe

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



52.0197, 53.0396, 102.1036



45.7034, 45.7623, 101.0319



49.2167, 42.4675, 100.2108



17.4976, 18.3668, 22.8729



11.2502, 7.4099, 50.2719



1.1910, 0.9127, 4.9267



# Previews

## White Background



This preview shows how the XYZ color 74.4172, 77.1799, 45.1574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

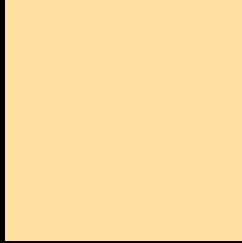
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.4172, 77.1799, 45.1574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

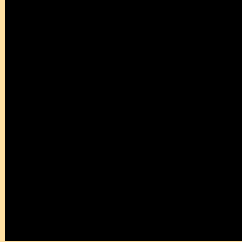
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 74.4172, 77.1799, 45.1574

## Background



This preview shows how black text looks on a background with the XYZ color 74.4172, 77.1799, 45.1574.



This preview shows how white text looks on a background with the XYZ color 74.4172, 77.1799,



# 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

74.4172, 77.1799, 45.1574

### Protanopia

71.7361, 76.9950, 45.7310

### Deuteranopia

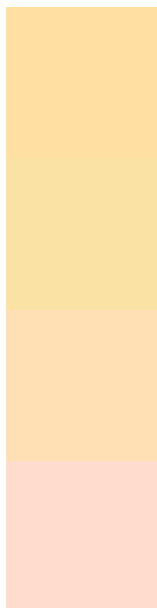
76.7652, 77.2641, 60.1577



## Tritanopia

80.7352, 77.1723, 86.2418

# Trichromacy



## Original Color

74.4172, 77.1799, 45.1574

## Protanomaly

72.8741, 77.1768, 45.7061

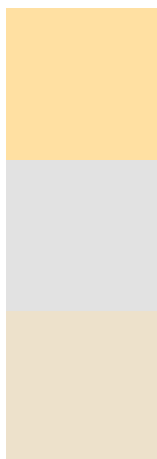
## Deuteranomaly

75.8659, 77.3306, 54.1078

## Tritanomaly

77.9738, 76.9026, 69.1266

# Monochromacy



## Original Color

74.4172, 77.1799, 45.1574

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.6298, 76.1667, 67.3736

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.4172, 77.1799, 45.1574 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, 224, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 162)  
}
```

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, 224, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 162) }
```

## Border

The CSS property to change the border of an element to XYZ 74.4172, 77.1799, 45.1574 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, 224, 162) }
```



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

```
.border{ border-color:rgb(255, 224, 162) }
```

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

Here you see how a box with a 4 pixel rgb(255, 224, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
162) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.4172, 77.1799, 45.1574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 162) }
```

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

```
.background{ background-color: rgb(255,  
224, 162) }
```

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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