

# Converting Colors

XYZ(83.5841, 82.9670, 41.3384)

Have a look what the booklet for  
XYZ(83.5841, 82.9670, 41.3384)  
contains.

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# **Color**

**XYZ(74.1039, 77.9197,  
40.8401)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE298
RGB	255, 226, 152
RGB Percent	100%, 89%, 60%
CMY	0.0000, 0.1137, 0.4039
CMYK	0.00, 0.11, 0.40, 0.00
HSL	43°, 100%, 80%
HSV	43°, 40%, 100%
XYZ	74.1039, 77.9197, 40.8401
YIQ	226.2350, 41.0380, -16.8660

# Conversions

## Conversions Part 2

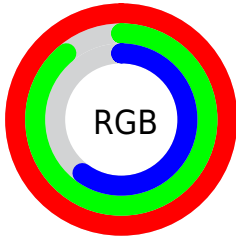
Format	Color
R <sub>Y</sub> B	192, 255, 152
Decimal	16769688
CIE Lab	90.74, 0.09, 39.80
CIE LCh	91, 39.805, 89.870
Yxy	77.9197, 0.3842, 0.4040
Android (android.graphics.Color)	4294959768 (0xFFFFE298)
YUV	226.2350, -36.5979, 25.2269
Hunter-Lab	88.2721, -4.6266, 34.3593

# Details

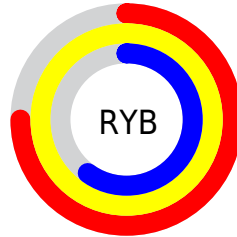
The XYZ color **74.1039, 77.9197, 40.8401** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.5224, 46.9417, 101.1637**, and the grayscale version is **72.6962, 76.4821, 83.2890**.

A 20% lighter version of the original color is **88.2625, 97.2850, 73.1574**, and **39.8891, 41.9162, 18.0449** is the 20% darker color. If you saturate the color by 10%, you get **70.3251, 73.3528, 30.3610**, and if you desaturate by 10%, it is **78.4172, 82.8368, 53.7141**.

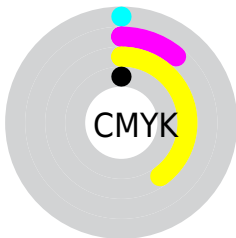
# Distribution



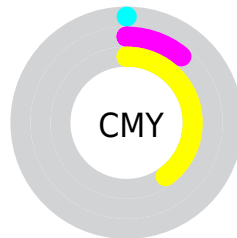
- Red (100%)
- Green (89%)
- Blue (60%)



- Red (75%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (11%)
- Yellow (40%)
- Black (0%)




- Cyan (0%)
- Magenta (11%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.1039, 77.9197, 40.8401 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 74.1039, 77.9197, 40.8401 by changing the saturation by 10% instead.




 74.1039, 77.9197,  
40.8401


 74.1039, 77.9197,  
40.8401


463.8767,  
487.8941, 365.3087

 55.1707, 58.0080,  
27.8754


 124.0378,  
130.4369, 77.6921

 39.7728, 41.8151,  
17.9935


 155.7692,  
163.8112, 102.4165

 27.5448, 28.9565,  
10.7760

192.4973,  
202.4419, 131.8980

 18.1215, 19.0479,  
5.8041

234.5875,  
246.7133, 166.5549

 11.1375, 11.7049,  
2.6595

282.4052,  
297.0098, 206.8059

 6.2274, 6.5431,  
0.9229

336.3157,

 3.0258, 3.1780,

353.7159, 253.0695

0.0000

396.6844,  
417.2158, 305.7643

■ 1.1674, 1.2254,  
0.0000

■ 0.0804, 0.0823,  
0.0000

■ 74.1039, 77.9197,  
40.8401

■ 74.1039, 77.9197,  
40.8401

■ 70.3251, 73.3528,  
30.3610

■ 78.4172, 82.8368,  
53.7141

■ 67.0452, 69.1119,  
22.1188

■ 83.2868, 88.1059,  
69.1179

■ 64.2325, 65.1853,  
15.9437

■ 88.7399, 93.7423,  
87.1820

■ 61.8488, 61.5564,  
11.6397

94.8003, 99.7569,  
108.0264

■ 59.8486, 58.2051, 95.0500, 100.0000,  
8.9721 108.9000

■ 58.2185, 55.2171,  
7.5895

# Harmonies

## Analogous

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



84.1339, 77.9197, 45.5808



74.1039, 77.9197, 40.8401



64.8939, 77.9197, 45.4984

# Triad

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



74.1039, 77.9197, 40.8401



58.6114, 77.9197, 115.3170



91.9598, 77.9197, 115.5823

# Complementary

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



74.1039, 77.9197, 40.8401



47.5224, 46.9417, 101.1637

# 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.



84.0518, 77.9197, 142.0901



74.1039, 77.9197, 40.8401



64.8248, 77.9197, 141.9143

# Square

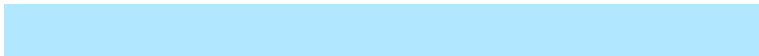
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.1039, 77.9197, 40.8401



56.4538, 77.9197, 84.7166



74.0168, 77.9197, 152.6547



94.9927, 77.9197, 84.9661

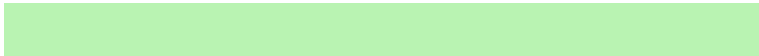


# Rectangle

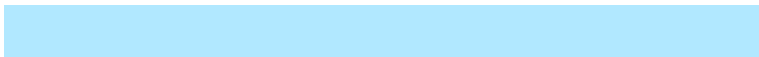
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.1039, 77.9197, 40.8401



60.3145, 77.9197, 54.0771



74.0168, 77.9197, 152.6547



89.7504, 77.9197, 125.4974

# Sweetspot

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



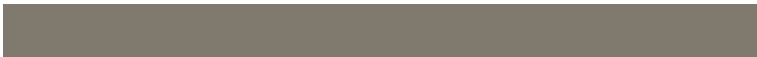
74.1058, 77.9233, 40.8417



87.8222, 92.8103, 84.0912



60.8281, 47.0610, 49.6934



18.6405, 19.7048, 17.4731



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.



74.1058, 77.9233, 40.8417



71.1825, 74.4152, 32.6575



74.9288, 91.0576, 43.3335



19.1037, 20.1756, 19.0317



30.5534, 29.1180, 4.0100



3.0675, 3.0204, 0.4213



# Inverse Universe

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



47.5224, 46.9417, 101.1637



41.4887, 39.8317, 100.1093



46.8052, 38.7125, 99.6131



17.4193, 18.2102, 22.8468



10.7431, 6.3957, 50.1029



1.1337, 0.7982, 4.9076



# Previews

## White Background



This preview shows how the XYZ color 74.1039, 77.9197, 40.8401 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 74.1039, 77.9197, 40.8401 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 74.1039, 77.9197, 40.8401**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.1039, 77.9197, 40.8401.



This preview shows how white text looks on a background with the XYZ color 74.1039, 77.9197,



# 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

74.1039, 77.9197, 40.8401

### Protanopia

72.2046, 77.7432, 41.3373

### Deuteranopia

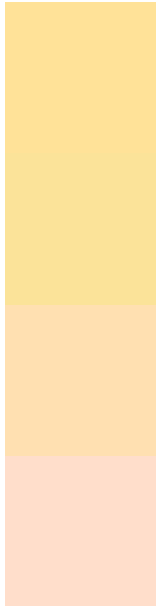
77.0316, 77.7969, 60.2465



## Tritanopia

81.1370, 77.7492, 87.0747

# Trichromacy



## Original Color

74.1039, 77.9197, 40.8401

## Protanomaly

73.0025, 77.7473, 41.2961

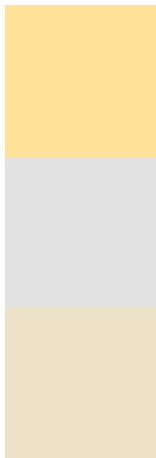
## Deuteranomaly

75.8315, 77.7456, 52.6046

## Tritanomaly

78.1408, 77.8143, 67.4011

# Monochromacy



## Original Color

74.1039, 77.9197, 40.8401

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

72.4302, 76.5208, 64.9853

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.1039, 77.9197, 40.8401 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, 226, 152)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 152)  
}
```

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, 226, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 152) }
```

## Border

The CSS property to change the border of an element to XYZ 74.1039, 77.9197, 40.8401 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, 226, 152) }
```



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

```
.border{ border-color:rgb(255, 226, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 152);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
152) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.1039, 77.9197, 40.8401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 152) }
```

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

```
.background{ background-color: rgb(255,  
226, 152) }
```

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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