

# Converting Colors

XYZ(75.2069, 79.7942, 42.2300)

Have a look what the booklet for XYZ(75.2069, 79.7942, 42.2300) contains.

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# **Color**

**XYZ(75.1757, 79.6652,  
42.4251)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE59B
RGB	255, 229, 155
RGB Percent	100%, 90%, 61%
CMY	0.0000, 0.1019, 0.3921
CMYK	0.00, 0.10, 0.39, 0.00
HSL	44°, 100%, 80%
HSV	44°, 39%, 100%
XYZ	75.1757, 79.6652, 42.4251
YIQ	228.3380, 39.2500, -17.5020

# Conversions

## Conversions Part 2

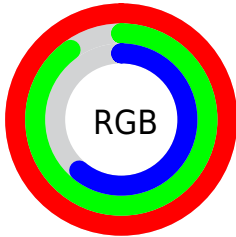
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	190, 255, 155
Decimal	16770459
CIE Lab	91.53, -1.11, 39.33
CIE LCh	92, 39.342, 91.620
Yxy	79.6652, 0.3811, 0.4038
Android (android.graphics.Color)	4294960539 (0xFFFFE59B)
YUV	228.3380, -36.1556, 23.3826
Hunter-Lab	89.2554, -5.8545, 34.2969

# Details

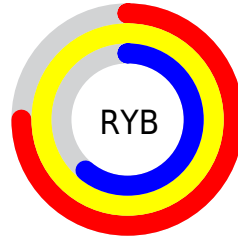
The XYZ color **75.1757, 79.6652, 42.4251** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **48.0910, 47.2348, 101.1902**, and the grayscale version is **74.2285, 78.0941, 85.0445**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **40.6102, 43.1217, 19.0149** is the 20% darker color. If you saturate the color by 10%, you get **71.4577, 75.3020, 31.7129**, and if you desaturate by 10%, it is **79.4199, 84.3567, 55.5454**.

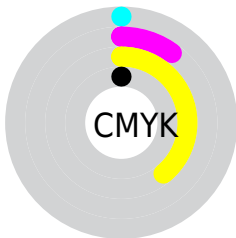
# Distribution



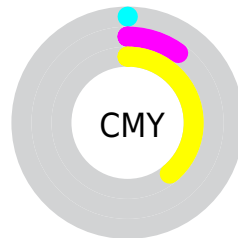
- Red (100%)
- Green (90%)
- Blue (61%)



- Red (75%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (10%)
- Yellow (39%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1757, 79.6652, 42.4251 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 75.1757, 79.6652, 42.4251 by changing the saturation by 10% instead.




 75.1757, 79.6652,  
42.4251


 75.1757, 79.6652,  
42.4251

467.5091,  
493.8038, 372.0936

 56.0515, 59.4429,  
29.1062


 125.5476,  
132.8949, 80.1196

 40.4814, 42.9697,  
18.9149


 157.5261,  
166.6711, 105.3324

 28.1000, 29.8614,  
11.4326

194.5200,  
205.7341, 135.3468

 18.5419, 19.7334,  
6.2408

236.8948,  
250.4681, 170.5815

 11.4417, 12.2014,  
2.9209

285.0157,  
301.2578, 211.4550

 6.4343, 6.8810,  
1.0544

339.2482,

 3.1540, 3.3878,

358.4873, 258.3858

0.0000

399.9575,  
422.5412, 311.7925

■ 1.2357, 1.3374,  
0.0000

■ 0.1343, 0.1699,  
0.0000

■ 75.1757, 79.6652,  
42.4251

■ 75.1757, 79.6652,  
42.4251

■ 71.4577, 75.3020,  
31.7129

■ 79.4199, 84.3567,  
55.5454

■ 68.2306, 71.2431,  
23.2525

■ 84.2114, 89.3775,  
71.2072

■ 65.4634, 67.4777,  
16.8767

■ 89.5771, 94.7425,  
89.5397

■ 63.1190, 63.9897,  
12.3930

95.0499, 100.0000,  
108.9000

■ 61.1530, 60.7602,  
9.5724

■ 59.4993, 57.7611,  
8.0706

■ 59.3764, 57.5329,  
7.9755

# Harmonies

## Analogous

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



85.2587, 79.6652, 46.6651



75.1757, 79.6652, 42.4251



66.0540, 79.6652, 47.7052

# Triad

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



75.1757, 79.6652, 42.4251



60.4589, 79.6652, 119.0321



93.9812, 79.6652, 115.7249

# Complementary

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



75.1757, 79.6652, 42.4251



48.0910, 47.2348, 101.1902

# 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.



86.2844, 79.6652, 142.7716



75.1757, 79.6652, 42.4251



66.9196, 79.6652, 144.9586

# Square

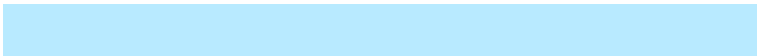
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1757, 79.6652, 42.4251



58.0352, 79.6652, 88.3120



76.2657, 79.6652, 154.4744



96.6740, 79.6652, 85.1904

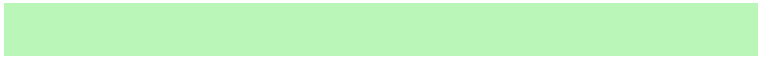


# Rectangle

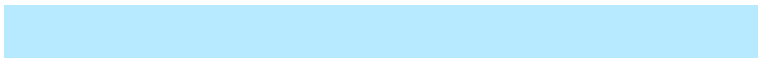
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1757, 79.6652, 42.4251



61.5883, 79.6652, 56.7762



76.2657, 79.6652, 154.4744



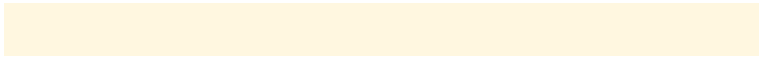
91.8618, 79.6652, 125.7413

# Sweetspot

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



75.1777, 79.6689, 42.4267



88.0237, 93.2131, 84.1584



61.3709, 48.0672, 50.1198



18.6881, 19.7999, 17.4889



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

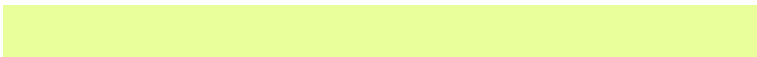
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1777, 79.6689, 42.4267



72.2381, 76.2422, 33.8859



74.8473, 90.9867, 44.6287



19.1382, 20.2445, 19.0432



31.1530, 30.3172, 4.2099



3.1218, 3.1290, 0.4394



# Inverse Universe

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



48.0910, 47.2348, 101.1902



41.7573, 39.7663, 100.0826



48.2088, 40.1681, 99.8200



17.3868, 18.1453, 22.8360



10.5599, 6.0294, 50.0418



1.1122, 0.7551, 4.9004



# Previews

## White Background



This preview shows how the XYZ color 75.1757, 79.6652, 42.4251 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

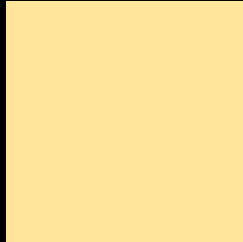
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.1757, 79.6652, 42.4251 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 75.1757, 79.6652, 42.4251

## Background



This preview shows how black text looks on a background with the XYZ color 75.1757, 79.6652, 42.4251.



This preview shows how white text looks on a background with the XYZ color 75.1757, 79.6652,



# 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

75.1757, 79.6652, 42.4251

### Protanopia

74.0010, 79.8761, 42.9699

### Deuteranopia

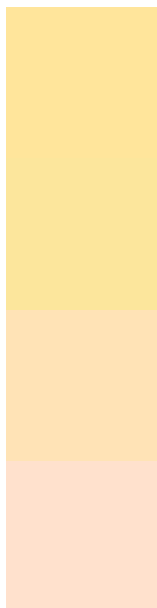
78.6294, 79.7299, 64.6713



## Tritanopia

82.2126, 79.4431, 88.8429

# Trichromacy



## Original Color

75.1757, 79.6652, 42.4251

## Protanomaly

74.4424, 79.6894, 42.9105

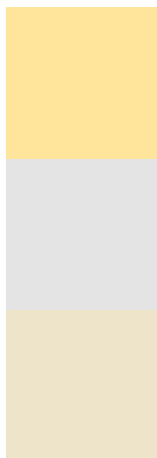
## Deuteranomaly

77.1526, 79.5756, 55.5492

## Tritanomaly

79.1847, 79.5182, 68.9327

# Monochromacy



## Original Color

75.1757, 79.6652, 42.4251

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

73.5459, 77.8810, 66.4146

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.1757, 79.6652, 42.4251 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, 229, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 155)  
}
```

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, 229, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 75.1757, 79.6652, 42.4251 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, 229, 155) }
```



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

```
.border{ border-color:rgb(255, 229, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.1757, 79.6652, 42.4251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 155) }
```

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

```
.background{ background-color: rgb(255,  
229, 155) }
```

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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