

# Converting Colors

XYZ(76.1964, 77.0788, 27.5972)

Have a look what the booklet for  
XYZ(76.1964, 77.0788, 27.5972)  
contains.

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# **Color**

**XYZ(70.0441, 73.7308,  
27.3694)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FFDC75                      |
| RGB         | 255, 220, 117               |
| RGB Percent | 100%, 86%, 46%              |
| CMY         | 0.0000, 0.1372, 0.5412      |
| CMYK        | 0.00, 0.14, 0.54, 0.00      |
| HSL         | 45°, 100%, 73%              |
| HSV         | 45°, 54%, 100%              |
| XYZ         | 70.0441, 73.7308, 27.3694   |
| YIQ         | 218.7230, 53.9230, -24.6130 |

# Conversions

## Conversions Part 2

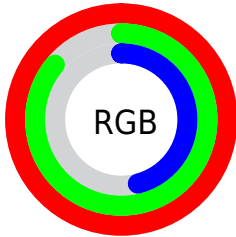
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 164, 255, 117                  |
| Decimal                             | 16768117                       |
| CIE Lab                             | 88.80, -0.07, 54.46            |
| CIE LCh                             | 89, 54.460, 90.079             |
| Yxy                                 | 73.7308, 0.4093,<br>0.4308     |
| Android<br>(android.graphics.Color) | 4294958197<br>(0xFFFFDC75)     |
| YUV                                 | 218.7230, -50.1494,<br>31.8149 |
| Hunter-Lab                          | 85.8666, -4.6586,<br>41.2084   |

# Details

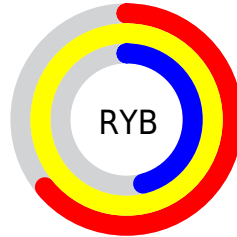
The XYZ color **70.0441, 73.7308, 27.3694** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **36.6140, 33.4572, 99.1354**, and the grayscale version is **67.4520, 70.9647, 77.2806**.

A 20% lighter version of the original color is **84.3507, 95.7203, 52.5582**, and **37.1455, 39.0162, 10.4236** is the 20% darker color. If you saturate the color by 10%, you get **67.0804, 69.8849, 19.9653**, and if you desaturate by 10%, it is **73.4853, 77.8784, 36.9486**.

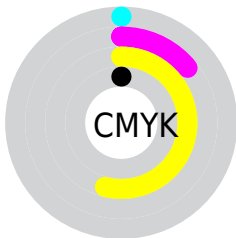
# Distribution



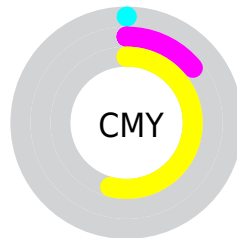
- Red (100%)
- Green (86%)
- Blue (46%)



- Red (64%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (14%)
- Yellow (54%)
- Black (0%)



- Cyan (0%)
- Magenta (14%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0441, 73.7308, 27.3694 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 70.0441, 73.7308, 27.3694 by changing the saturation by 10% instead.



70.0441, 73.7308,  
27.3694

70.0441, 73.7308,  
27.3694

449.9688,  
473.5437, 303.2578

51.8422, 54.5737,  
17.6160

118.2976,  
124.5141, 56.4870

37.1031, 39.0605,  
10.5080

149.0799,  
156.9092, 76.6882

25.4614, 26.8068,  
5.6271

184.7863,  
194.4857, 101.2091

16.5517, 17.4282,  
2.5546

225.7823,  
237.6280, 130.4683

10.0087, 10.5403,  
0.8689

272.4332,  
286.7206, 164.8842

5.4670, 5.7586,  
0.0000

325.1044,

2.5613, 2.6989,

342.1478, 204.8754

0.0000

384.1611,  
404.2941, 250.8604

■ 0.9263, 0.9766,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.0441, 73.7308,  
27.3694

■ 70.0441, 73.7308,  
27.3694

■ 67.0804, 69.8849,  
19.9653

■ 73.4853, 77.8784,  
36.9486

■ 64.5541, 66.3150,  
14.5524

■ 77.4297, 82.3306,  
48.8576

■ 62.4269, 63.0074,  
10.9240

■ 81.9070, 87.1033,  
63.2424

■ 60.6495, 59.9412,  
8.8253

■ 86.9431, 92.2080,  
80.2353

■ 59.7265, 58.2332,  
8.0922

■ 92.5620, 97.6553,  
99.9596

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



83.4981, 73.7308, 32.3681



70.0441, 73.7308, 27.3694



58.1272, 73.7308, 32.4226

# Triad

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



70.0441, 73.7308, 27.3694



50.3536, 73.7308, 122.4363



94.4235, 73.7308, 122.2076

# Complementary

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



70.0441, 73.7308, 27.3694



36.6140, 33.4572, 99.1354

# 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.



83.5659, 73.7308, 160.9071



70.0441, 73.7308, 27.3694



58.1805, 73.7308, 161.0657

# Square

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



70.0441, 73.7308, 27.3694



47.6647, 73.7308, 80.3801



70.1137, 73.7308, 176.9527



98.6053, 73.7308, 80.1806



# Rectangle

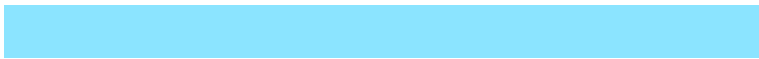
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0441, 73.7308, 27.3694



52.3813, 73.7308, 42.1247



70.1137, 73.7308, 176.9527



91.3715, 73.7308, 136.4580

# Sweetspot

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



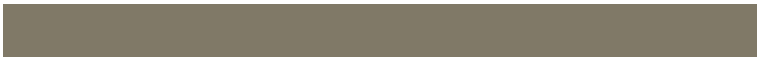
70.0459, 73.7343, 27.3709



85.9510, 91.2210, 76.8296



53.4177, 36.3097, 34.6785



18.1699, 19.2970, 15.6715



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.



70.0459, 73.7343, 27.3709



66.8403, 69.5587, 19.4096



69.3408, 88.4604, 30.2505



19.1483, 20.2649, 19.0466



31.3343, 30.6798, 4.2703



3.1382, 3.1617, 0.4449



# Inverse Universe

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



36.6140, 33.4572, 99.1354



30.3479, 25.6642, 97.9619



36.8429, 26.3519, 97.7519



17.3773, 18.1262, 22.8328



10.5089, 5.9274, 50.0248



1.1061, 0.7428, 4.8984



# Previews

## White Background



This preview shows how the XYZ color 70.0441, 73.7308, 27.3694 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

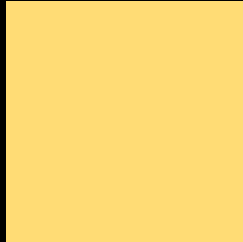
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.0441, 73.7308, 27.3694 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 70.0441, 73.7308, 27.3694

## Background



This preview shows how black text looks on a background with the XYZ color 70.0441, 73.7308, 27.3694.



This preview shows how white text looks on a background with the XYZ color 70.0441, 73.7308,

27.3694.

# 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

70.0441, 73.7308, 27.3694

### Protanopia

67.6637, 73.6762, 27.7942

### Deuteranopia

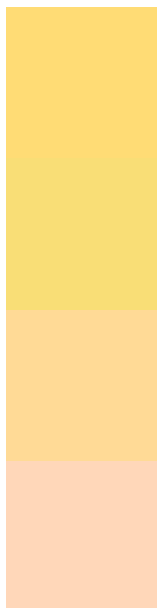
73.2143, 73.7503, 47.9125



## Tritanopia

78.2380, 73.7288, 80.6285

# Trichromacy



## Original Color

70.0441, 73.7308, 27.3694

## Protanomaly

68.4582, 73.6903, 27.7551

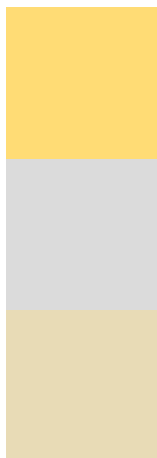
## Deuteranomaly

71.8164, 73.6048, 39.2762

## Tritanomaly

74.2974, 73.3637, 56.1436

# Monochromacy



## Original Color

70.0441, 73.7308, 27.3694

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

67.0537, 71.1962, 54.4641

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.0441, 73.7308, 27.3694 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, 220, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 117)  
}
```

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, 220, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 70.0441, 73.7308, 27.3694 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, 220, 117) }
```



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

```
.border{ border-color:rgb(255, 220, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.0441, 73.7308, 27.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 117) }
```

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

```
.background{ background-color: rgb(255,  
220, 117) }
```

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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