

# Converting Colors

XYZ(69.9830, 75.7530, 24.2979)

Have a look what the booklet for  
XYZ(69.9830, 75.7530, 24.2979)  
contains.

|  |    |
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# **Color**

**XYZ(69.9830, 75.7530,  
24.2979)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | FDE169                      |
| RGB         | 253, 225, 105               |
| RGB Percent | 99%, 88%, 41%               |
| CMY         | 0.0078, 0.1176, 0.5882      |
| CMYK        | 0.00, 0.11, 0.58, 0.01      |
| HSL         | 49°, 97%, 70%               |
| HSV         | 49°, 58%, 99%               |
| XYZ         | 69.9830, 75.7530, 24.2979   |
| YIQ         | 219.6920, 55.2080, -31.3840 |

# Conversions

## Conversions Part 2

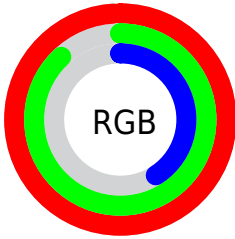
| Format                              | Color                          |
|-------------------------------------|--------------------------------|
| R <sub>Y</sub> B                    | 140, 253, 105                  |
| Decimal                             | 16638313                       |
| CIE Lab                             | 89.74, -4.30, 61.01            |
| CIE LCh                             | 90, 61.159, 94.030             |
| Yxy                                 | 75.7530, 0.4116,<br>0.4455     |
| Android<br>(android.graphics.Color) | 4294828393<br>(0xFFFDE169)     |
| YUV                                 | 219.6920, -56.5432,<br>29.2111 |
| Hunter-Lab                          | 87.0362, -8.7873,<br>44.3733   |

# Details

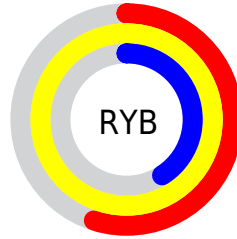
The XYZ color **69.9830, 75.7530, 24.2979** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.9426, 26.8693, 96.4307**, and the grayscale version is **68.1692, 71.7193, 78.1023**.

A 20% lighter version of the original color is **83.3452, 95.3181, 47.2632**, and **36.9428, 40.3172, 8.8525** is the 20% darker color. If you saturate the color by 10%, you get **67.5962, 72.7600, 18.0135**, and if you desaturate by 10%, it is **72.7964, 78.9804, 32.6340**.

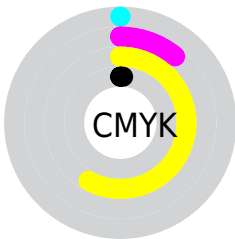
# Distribution



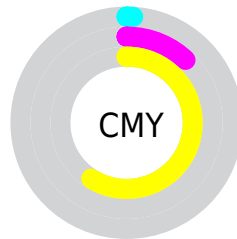
- Red (99%)
- Green (88%)
- Blue (41%)



- Red (55%)
- Yellow (99%)
- Blue (41%)



- Cyan (0%)
- Magenta (11%)
- Yellow (58%)
- Black (1%)




- Cyan (1%)
- Magenta (12%)
- Yellow (59%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.9830, 75.7530, 24.2979 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 69.9830, 75.7530, 24.2979 by changing the saturation by 10% instead.





 69.9830, 75.7530,  
24.2979

 69.9830, 75.7530,  
24.2979


449.7577,  
480.5018, 287.6580


 51.7922, 56.2300,  
15.3405


 118.2109,  
127.3777, 51.4658

 37.0631, 40.3874,  
8.9094


 148.9788,  
160.2482, 70.5134

 25.4302, 27.8407,  
4.5862


 184.6697,  
198.3366, 93.7615

 16.5283, 18.2056,  
1.9521

 225.6490,  
242.0274, 121.6286

 9.9920, 11.0977,  
0.5256

272.2821,  
291.7049, 154.5333

 5.4559, 6.1326,  
0.0000

324.9344,

 2.5546, 2.9259,

347.7535, 192.8940

0.0000

383.9711,  
410.5577, 237.1294

■ 0.9229, 1.0932,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.9830, 75.7530,  
24.2979

■ 69.9830, 75.7530,  
24.2979

■ 67.5962, 72.7600,  
18.0135

■ 72.7964, 78.9804,  
32.6340

■ 65.5948, 69.9759,  
13.5894


■ 76.0625, 82.4444,  
43.1811


■ 63.9384, 67.3869,  
10.8062


■ 79.8112, 86.1604,  
56.0882

■ 62.5675, 64.9687,  
9.3518

■ 84.0683, 90.1392,  
71.4898

 62.3740, 64.6150,  
9.1845

 88.8579, 94.3907,  
89.5104

 93.9104, 98.8078,  
108.7299

 94.3178, 99.6225,  
108.8657

# Harmonies

## Analogous

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



85.4529, 75.7530, 28.1004



69.9830, 75.7530, 24.2979



56.9685, 75.7530, 31.0434

# Triad

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



69.9830, 75.7530, 24.2979



50.5533, 75.7530, 138.2011



101.3273, 75.7530, 124.4305

# Complementary

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



69.9830, 75.7530, 24.2979



31.9426, 26.8693, 96.4307

# 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.



89.4694, 75.7530, 172.1684



69.9830, 75.7530, 24.2979



60.0405, 75.7530, 181.8741

# Square

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



69.9830, 75.7530, 24.2979



46.7865, 75.7530, 88.4549



74.0573, 75.7530, 196.0799



104.9549, 75.7530, 76.7845



# Rectangle

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



69.9830, 75.7530, 24.2979



50.9991, 75.7530, 42.7032



74.0573, 75.7530, 196.0799



98.0975, 75.7530, 141.4729

# Sweetspot

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



69.9848, 75.7566, 24.2994



85.8137, 91.9737, 73.6164



49.9049, 32.7245, 26.4614



18.0842, 19.4269, 14.7141



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.



69.9848, 75.7566, 24.2994



68.4812, 73.6273, 17.5311



63.8567, 84.7672, 26.3617



19.2520, 20.4722, 19.0812



33.2828, 34.5768, 4.9198



3.3124, 3.5102, 0.5030



# Inverse Universe

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



31.9426, 26.8693, 96.4307



26.6746, 19.9856, 97.0594



35.2494, 23.6231, 95.6298



17.2810, 17.9336, 22.8007



10.0677, 5.0449, 49.8777



1.0505, 0.6317, 4.8798



# Previews

## White Background



This preview shows how the XYZ color 69.9830, 75.7530, 24.2979 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

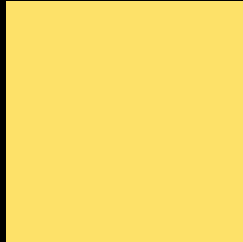
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.9830, 75.7530, 24.2979 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 69.9830, 75.7530, 24.2979**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.9830, 75.7530, 24.2979.



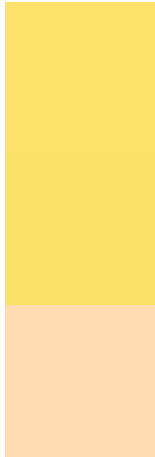
This preview shows how white text looks on a background with the XYZ color 69.9830, 75.7530,



# 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

69.9830, 75.7530, 24.2979

### Protanopia

69.1705, 75.7366, 24.3376

### Deuteranopia

74.6697, 75.5810, 51.7274



## Tritanopia

79.5440, 75.4623, 83.7720

# Trichromacy



## Original Color

69.9830, 75.7530, 24.2979

## Protanomaly

69.5298, 75.9219, 24.3544

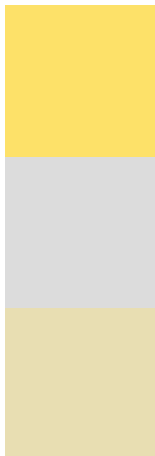
## Deuteranomaly

72.4993, 75.5154, 39.6090

## Tritanomaly

74.7518, 75.1528, 55.3658

# Monochromacy



## Original Color

69.9830, 75.7530, 24.2979

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

67.4359, 72.6127, 52.5809

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.9830, 75.7530, 24.2979 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(253, 225, 105)` looks like.

```
.text, #text, p{  
    color:rgb(253, 225, 105)  
}
```

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(253, 225, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 225, 105) }
```

## Border

The CSS property to change the border of an element to XYZ 69.9830, 75.7530, 24.2979 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(253, 225, 105) }
```



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

```
.border{ border-color:rgb(253, 225, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 225, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 225, 105); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 225, 105); box-shadow:4px 4px 4px 4px rgb(253, 225, 105) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.9830, 75.7530, 24.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 225, 105) }
```

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

```
.background{ background-color: rgb(253,  
225, 105) }
```

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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