

# Converting Colors

XYZ(71.3748, 75.0357, 51.8289)

Have a look what the booklet for  
XYZ(71.3748, 75.0357, 51.8289)  
contains.

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# **Color**

**XYZ(71.5324, 75.1430,  
51.8082)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4DFB0
RGB	244, 223, 176
RGB Percent	96%, 87%, 69%
CMY	0.0431, 0.1255, 0.3098
CMYK	0.00, 0.09, 0.28, 0.04
HSL	41°, 76%, 82%
HSV	41°, 28%, 96%
XYZ	71.5324, 75.1430, 51.8082
YIQ	223.9210, 27.6030, -10.1650

# Conversions

## Conversions Part 2

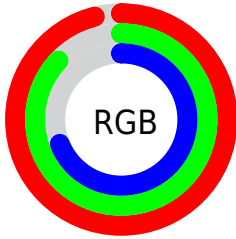
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 244, 176
Decimal	16048048
CIE Lab	89.46, 0.24, 25.69
CIE LCh	89, 25.690, 89.474
Yxy	75.1430, 0.3604, 0.3786
Android (android.graphics.Color)	4294238128 (0xFFFF4DFB0)
YUV	223.9210, -23.6251, 17.6093
Hunter-Lab	86.6851, -4.4009, 25.2443

# Details

The XYZ color **71.5324, 75.1430, 51.8082** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **54.1996, 55.6929, 93.4815**, and the grayscale version is **70.9464, 74.6411, 81.2842**.

A 20% lighter version of the original color is **91.5655, 98.6062, 90.5508**, and **38.0713, 40.0001, 24.4531** is the 20% darker color. If you saturate the color by 10%, you get **67.3643, 70.3290, 39.5595**, and if you desaturate by 10%, it is **76.2280, 80.3165, 66.3752**.

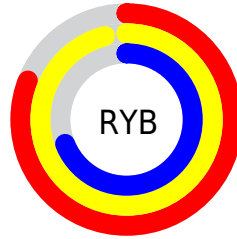
# Distribution



Red (96%)

Green (87%)

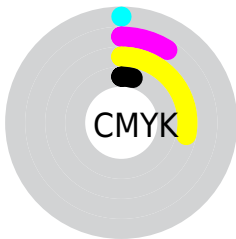
Blue (69%)



Red (81%)

Yellow (96%)

Blue (69%)

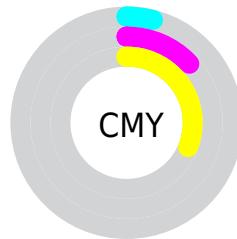


Cyan (0%)

Magenta (9%)

Yellow (28%)

Black (4%)



Cyan (4%)

Magenta (13%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5324, 75.1430, 51.8082 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 71.5324, 75.1430, 51.8082 by changing the saturation by 10% instead.




 71.5324, 75.1430,  
51.8082

 71.5324, 75.1430,  
51.8082


455.0953,  
478.4089, 410.6316

 53.0609, 55.7301,  
36.4710


 120.4059,  
126.5148, 94.2720

 38.0790, 39.9865,  
24.5056


151.5386,  
159.2424, 122.2357

 26.2215, 27.5280,  
15.4935

187.6224,  
197.1770, 155.2454

 17.1230, 17.9702,  
9.0160

229.0226,  
240.7030, 193.7195

 10.4181, 10.9286,  
4.6546

276.1047,  
290.2048, 238.0767

 5.7414, 6.0188,  
1.9909

329.2339,

 2.7276, 2.8565,

346.0668, 288.7354

0.5497

388.7757,  
408.6734, 346.1141

■ 1.0114, 1.0573,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 71.5324, 75.1430,  
51.8082

■ 71.5324, 75.1430,  
51.8082

■ 67.3643, 70.3290,  
39.5595

■ 76.2280, 80.3165,  
66.3752

■ 63.6933, 65.8528,  
29.5016

■ 81.4678, 85.8502,  
83.3696

■ 60.4950, 61.7051,  
21.5017

■ 87.2750, 91.7577,  
102.8990

■ 57.7397, 57.8724,  
15.4108

■ 90.5279, 96.7921,  
108.5192

■ 55.3942, 54.3393,  
11.0592

■ 91.1184, 97.9732,  
108.7160

■ 53.4193, 51.0882,  
8.2473

■ 51.7626, 48.0960,  
6.7046

■ 51.4342, 47.4849,  
6.4546

# Harmonies

## Analogous

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



77.7501, 75.1430, 55.4330



71.5324, 75.1430, 51.8082



65.6272, 75.1430, 55.1877

# Triad

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



71.5324, 75.1430, 51.8082



61.3893, 75.1430, 100.0952



82.3681, 75.1430, 100.7273

# Complementary

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



71.5324, 75.1430, 51.8082



54.1996, 55.6929, 93.4815

# Split Complementary

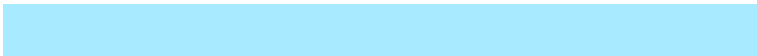
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.5465, 75.1430, 115.8756



71.5324, 75.1430, 51.8082



65.4454, 75.1430, 115.4745

# Square

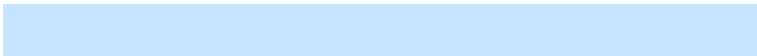
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5324, 75.1430, 51.8082



59.9838, 75.1430, 81.5000



71.3100, 75.1430, 121.6267



84.2271, 75.1430, 82.1368



# Rectangle

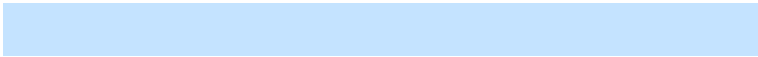
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.5324, 75.1430, 51.8082



62.6065, 75.1430, 61.2887



71.3100, 75.1430, 121.6267



81.0266, 75.1430, 106.4850

# Sweetspot

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



71.5343, 75.1464, 51.8098



89.9611, 94.8021, 91.8518



62.9736, 54.3404, 60.3149



19.0603, 20.0887, 19.0173



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.



71.5343, 75.1464, 51.8098



76.6009, 80.2436, 49.9044



73.3151, 84.9142, 53.6013



17.4578, 18.3997, 17.4289



28.0939, 26.0733, 3.5519



2.5601, 2.4735, 0.3425



# Inverse Universe

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



54.1996, 55.6929, 93.4815



54.7399, 55.7170, 102.4771



52.7095, 48.3341, 92.1396



15.9985, 16.7612, 20.9346



10.3655, 6.5249, 47.2511

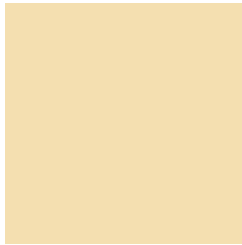


0.9984, 0.7483, 4.1820



# Previews

## White Background



This preview shows how the XYZ color 71.5324, 75.1430, 51.8082 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

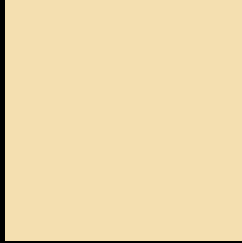
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.5324, 75.1430, 51.8082 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

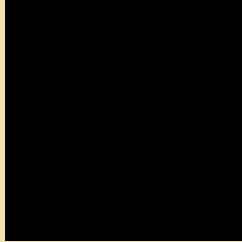
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 71.5324, 75.1430, 51.8082

## Background



This preview shows how black text looks on a background with the XYZ color 71.5324, 75.1430, 51.8082.



This preview shows how white text looks on a background with the XYZ color 71.5324, 75.1430,



# 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

71.5324, 75.1430, 51.8082

### Protanopia

70.4576, 75.3755, 52.4304

### Deuteranopia

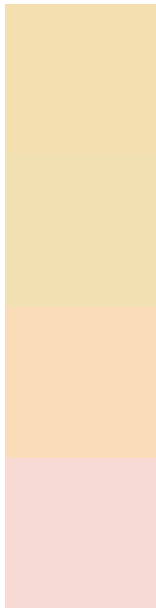
75.4967, 75.0769, 58.6563



## Tritanopia

78.6496, 74.9363, 86.6628

# Trichromacy



## Original Color

71.5324, 75.1430, 51.8082

## Protanomaly

70.8671, 75.1864, 52.3723

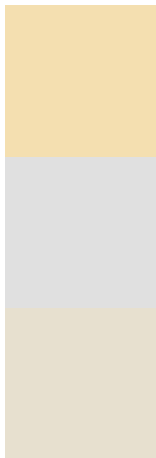
## Deuteranomaly

74.0286, 75.1563, 55.9523

## Tritanomaly

75.6665, 74.8527, 72.7473

# Monochromacy



## Original Color

71.5324, 75.1430, 51.8082

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.8731, 74.8052, 69.7349

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.5324, 75.1430, 51.8082 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(244, 223, 176)` looks like.

```
.text, #text, p{  
    color:rgb(244, 223, 176)  
}
```

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(244, 223, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 223, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 71.5324, 75.1430, 51.8082 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(244, 223, 176) }
```



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

```
.border{ border-color:rgb(244, 223, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 223, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 223, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 223, 176);  
box-shadow:4px 4px 4px 4px rgb(244, 223,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.5324, 75.1430, 51.8082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 223, 176) }
```

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

```
.background{ background-color: rgb(244,  
223, 176) }
```

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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