

# Converting Colors

XYZ(71.1361, 77.2149, 23.7251)

Have a look what the booklet for  
XYZ(71.1361, 77.2149, 23.7251)  
contains.

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# **Color**

**XYZ(71.1074, 77.1575,  
23.7155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE366
RGB	255, 227, 102
RGB Percent	100%, 89%, 40%
CMY	0.0000, 0.1098, 0.6000
CMYK	0.00, 0.11, 0.60, 0.00
HSL	49°, 100%, 70%
HSV	49°, 60%, 100%
XYZ	71.1074, 77.1575, 23.7155
YIQ	221.1220, 56.8130, -32.9390

# Conversions

## Conversions Part 2

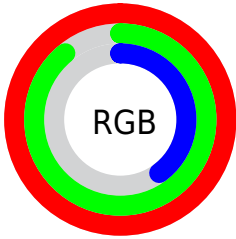
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	136, 255, 102
Decimal	16769894
CIE Lab	90.39, -4.69, 63.10
CIE LCh	90, 63.279, 94.253
Yxy	77.1575, 0.4135, 0.4486
Android (android.graphics.Color)	4294959974 (0xFFFFE366)
YUV	221.1220, -58.7271, 29.7110
Hunter-Lab	87.8393, -9.2201, 45.4800

# Details

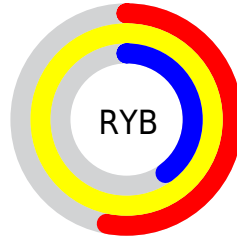
The XYZ color **71.1074, 77.1575, 23.7155** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.5120, 26.0093, 97.9668**, and the grayscale version is **69.1864, 72.7895, 79.2678**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **37.7513, 41.3044, 8.5676** is the 20% darker color. If you saturate the color by 10%, you get **68.7739, 74.2127, 17.6294**, and if you desaturate by 10%, it is **73.8680, 80.3343, 31.8640**.

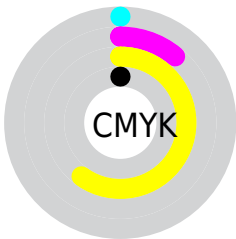
# Distribution



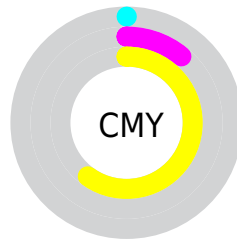
- Red (100%)
- Green (89%)
- Blue (40%)



- Red (53%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (11%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1074, 77.1575, 23.7155 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 71.1074, 77.1575, 23.7155 by changing the saturation by 10% instead.



71.1074, 77.1575,  
23.7155

71.1074, 77.1575,  
23.7155

453.6348,  
485.3009, 284.6191

52.7127, 57.3822,  
14.9125

119.8043,  
129.3618, 50.5035

37.8000, 41.3121,  
8.6120

150.8373,  
162.5595, 69.3256

26.0040, 28.5631,  
4.3957

186.8136,  
201.0001, 92.3245

16.9593, 18.7505,  
1.8448

228.0988,  
245.0681, 119.9186

10.3006, 11.4902,  
0.4573

275.0582,  
295.1477, 152.5266

5.6625, 6.3975,  
0.0000

328.0571,

2.6797, 3.0883,

351.6235, 190.5670

0.0000

387.4608,  
414.8797, 234.4583

■ 0.9867, 1.1780,  
0.0000

■ 0.0000, 0.0436,  
0.0000

■ 71.1074, 77.1575,  
23.7155

■ 71.1074, 77.1575,  
23.7155

■ 68.7739, 74.2127,  
17.6294

■ 73.8680, 80.3343,  
31.8640

■ 66.8248, 71.4737,  
13.4062

■ 77.0827, 83.7456,  
42.2404

■ 65.2175, 68.9258,  
10.8151

■ 80.7827, 87.4072,  
54.9986

■ 63.8798, 66.5398,  
9.4767

■ 84.9945, 91.3301,  
70.2777

■ 63.8796, 66.5395,  
9.4766

■ 89.7428, 95.5246,  
88.2059

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

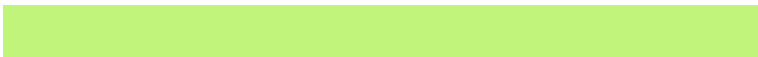
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3292, 77.1575, 27.5131



71.1074, 77.1575, 23.7155



57.5418, 77.1575, 30.6918

# Triad

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



71.1074, 77.1575, 23.7155



50.9967, 77.1575, 143.0627



104.2187, 77.1575, 127.7202

# Complementary

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



71.1074, 77.1575, 23.7155



31.5120, 26.0093, 97.9668

# 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.



91.7840, 77.1575, 178.3109



71.1074, 77.1575, 23.7155



60.9234, 77.1575, 189.1735

# Square

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



71.1074, 77.1575, 23.7155



47.0368, 77.1575, 90.6258



75.6105, 77.1575, 203.9598



107.9666, 77.1575, 77.7270



# Rectangle

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



71.1074, 77.1575, 23.7155



51.3538, 77.1575, 42.7681



75.6105, 77.1575, 203.9598



100.8364, 77.1575, 145.7263

# Sweetspot

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



71.1092, 77.1612, 23.7171



85.9002, 92.1467, 73.6452



50.0244, 32.3765, 24.7504



18.1056, 19.4696, 14.7212



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.



71.1092, 77.1612, 23.7171



68.3545, 73.6486, 16.6417



63.7651, 85.6799, 25.7484



19.2620, 20.4922, 19.0845



33.4806, 34.9724, 4.9857



3.3300, 3.5453, 0.5088



# Inverse Universe

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



31.5120, 26.0093, 97.9668



25.7288, 18.6763, 96.8566



35.4627, 23.2505, 97.2260



17.2718, 17.9152, 22.7976



10.0323, 4.9742, 49.8659



1.0457, 0.6222, 4.8783



# Previews

## White Background



This preview shows how the XYZ color 71.1074, 77.1575, 23.7155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

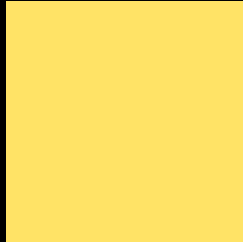
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1074, 77.1575, 23.7155 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 71.1074, 77.1575, 23.7155

## Background



This preview shows how black text looks on a background with the XYZ color 71.1074, 77.1575, 23.7155.



This preview shows how white text looks on a background with the XYZ color 71.1074, 77.1575,



# 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

71.1074, 77.1575, 23.7155

### Protanopia

70.6497, 77.3288, 23.7727

### Deuteranopia

75.8048, 76.8800, 55.0999



## Tritanopia

80.4543, 77.0600, 84.7624

# Trichromacy



## Original Color

71.1074, 77.1575, 23.7155

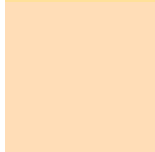
## Protanomaly

71.0147, 77.5169, 23.7898



## Deuteranomaly

73.6454, 76.8712, 41.0931



## Tritanomaly

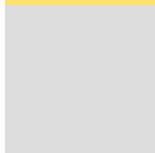
75.6437, 76.3918, 55.5580

# Monochromacy



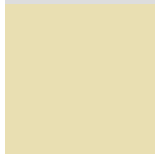
## Original Color

71.1074, 77.1575, 23.7155



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

68.0278, 73.3133, 52.6849

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1074, 77.1575, 23.7155 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, 227, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 102)  
}
```

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, 227, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1074, 77.1575, 23.7155 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, 227, 102) }
```



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

```
.border{ border-color:rgb(255, 227, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1074, 77.1575, 23.7155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 102) }
```

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

```
.background{ background-color: rgb(255,  
227, 102) }
```

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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