

Converting Colors

XYZ(71.2702, 77.4829, 23.7703)

Have a look what the booklet for
XYZ(71.2702, 77.4829, 23.7703)
contains.

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Color

**XYZ(71.3817, 77.7061,
23.8069)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE466
RGB	255, 228, 102
RGB Percent	100%, 89%, 40%
CMY	0.0000, 0.1059, 0.6000
CMYK	0.00, 0.11, 0.60, 0.00
HSL	49°, 100%, 70%
HSV	49°, 60%, 100%
XYZ	71.3817, 77.7061, 23.8069
YIQ	221.7090, 56.5380, -33.4620

Conversions

Conversions Part 2

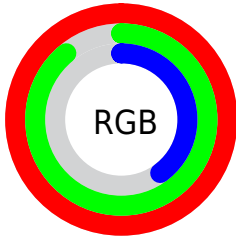
Format	Color
R_{YB}	135, 255, 102
Decimal	16770150
CIE _{Lab}	90.65, -5.19, 63.38
CIE _{LCh}	91, 63.596, 94.685
Yxy	77.7061, 0.4129, 0.4494
Android (android.graphics.Color)	4294960230 (0xFFFFE466)
YUV	221.7090, -59.0165, 29.1962
Hunter-Lab	88.1511, -9.7212, 45.6933

Details

The XYZ color **71.3817, 77.7061, 23.8069** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.3796, 25.7445, 97.9227**, and the grayscale version is **69.6028, 73.2276, 79.7448**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **37.9424, 41.6865, 8.6313** is the 20% darker color. If you saturate the color by 10%, you get **69.0855, 74.8358, 17.7332**, and if you desaturate by 10%, it is **74.1027, 80.8037, 31.9422**.

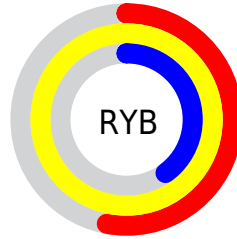
Distribution



Red (100%)

Green (89%)

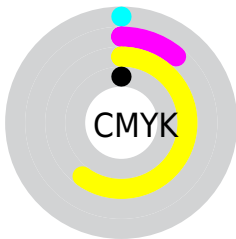
Blue (40%)



Red (53%)

Yellow (100%)

Blue (40%)

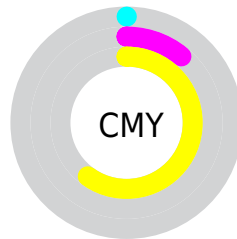


Cyan (0%)

Magenta (11%)

Yellow (60%)

Black (0%)



Cyan (0%)

Magenta (11%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.3817, 77.7061, 23.8069 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 71.3817, 77.7061, 23.8069 by changing the saturation by 10% instead.

71.3817, 77.7061,
23.8069

71.3817, 77.7061,
23.8069

454.5778,
487.1681, 285.0978

52.9374, 57.8326,
14.9796

120.1926,
130.1357, 50.6548

37.9801, 41.6741,
8.6586

151.2900,
163.4606, 69.5124

26.1444, 28.8462,
4.4254

187.3357,
202.0381, 92.5505

17.0649, 18.9645,
1.8615

228.6952,
246.2526, 120.1877

10.3764, 11.6446,
0.4681

275.7338,
296.4884, 152.8425

5.7134, 6.5022,
0.0000

328.8168,

2.7106, 3.1528,

353.1300, 190.9334

0.0000

388.3097,
416.5618, 234.8790

■ 1.0026, 1.2120,
0.0000

■ 0.0000, 0.0715,
0.0000

■ 71.3817, 77.7061,
23.8069

■ 71.3817, 77.7061,
23.8069

■ 69.0855, 74.8358,
17.7332

■ 74.1027, 80.8037,
31.9422

■ 67.1713, 72.1666,
13.5216

■ 77.2754, 84.1309,
42.3045

■ 65.5966, 69.6839,
10.9415

■ 80.9309, 87.7036,
55.0480

■ 64.2892, 67.3585,
9.6132

■ 85.0958, 91.5327,
70.3114

■ 64.2890, 67.3582,
9.6130

■ 89.7947, 95.6284,
88.2232

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.



87.7556, 77.7061, 27.4747



71.3817, 77.7061, 23.8069



57.7504, 77.7061, 31.0036

Triad

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



71.3817, 77.7061, 23.8069



51.4094, 77.7061, 145.0461



105.1779, 77.7061, 127.9732

Complementary

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



71.3817, 77.7061, 23.8069



31.3796, 25.7445, 97.9227

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.



92.7110, 77.7061, 179.2769



71.3817, 77.7061, 23.8069



61.5099, 77.7061, 191.3685

Square

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



71.3817, 77.7061, 23.8069



47.3246, 77.7061, 91.9839



76.3895, 77.7061, 205.7346



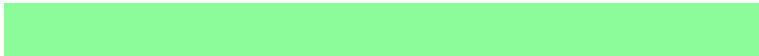
108.8154, 77.7061, 77.6387

Rectangle

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



71.3817, 77.7061, 23.8069



51.5614, 77.7061, 43.3297



76.3895, 77.7061, 205.7346



101.8008, 77.7061, 146.1814

Sweetspot

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



71.3835, 77.7098, 23.8085



85.9918, 92.3300, 73.6757



50.0244, 32.3765, 24.7504



18.1282, 19.5148, 14.7288



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.



71.3835, 77.7098, 23.8085



68.6732, 74.2860, 16.7479



63.7651, 85.6799, 25.7484



19.2726, 20.5133, 19.0880



33.6919, 35.3950, 5.0562



3.3487, 3.5827, 0.5150

Inverse Universe

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



31.3796, 25.7445, 97.9227



25.6074, 18.4336, 96.8161



35.4627, 23.2504, 97.2261



17.2621, 17.8957, 22.7944



9.9962, 4.9020, 49.8539



1.0408, 0.6124, 4.8766

Previews

White Background



This preview shows how the XYZ color 71.3817, 77.7061, 23.8069 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 71.3817, 77.7061, 23.8069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

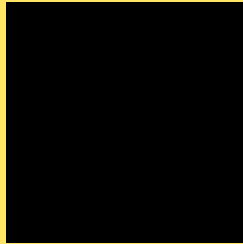
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.3817, 77.7061, 23.8069

Background



This preview shows how black text looks on a background with the XYZ color 71.3817, 77.7061, 23.8069.



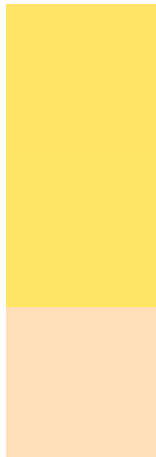
This preview shows how white text looks on a background with the XYZ color 71.3817, 77.7061,

23.8069.

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

71.3817, 77.7061, 23.8069

Protanopia

70.9256, 77.8806, 23.8646

Deuteranopia

76.2794, 77.4960, 56.2853



Tritanopia

80.8544, 77.6362, 85.5867

Trichromacy



Original Color

71.3817, 77.7061, 23.8069

Protanomaly

71.2906, 78.0688, 23.8817



Deuteranomaly

73.9979, 77.4435, 41.6198



Tritanomaly

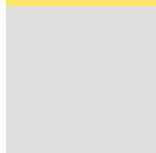
75.9085, 76.9214, 55.6463

Monochromacy



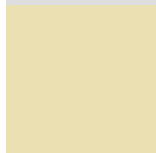
Original Color

71.3817, 77.7061, 23.8069



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

68.6232, 74.0181, 52.7896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3817, 77.7061, 23.8069 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, 228, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 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, 228, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 102) }
```

Border

The CSS property to change the border of an element to XYZ 71.3817, 77.7061, 23.8069 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, 228, 102) }
```


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

```
.border{ border-color:rgb(255, 228, 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, 228, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3817, 77.7061, 23.8069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 102) }
```

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

```
.background{ background-color: rgb(255,  
228, 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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