

# Converting Colors

XYZ(86.6343, 82.5094, 23.2662)

Have a look what the booklet for  
XYZ(86.6343, 82.5094, 23.2662)  
contains.

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# **Color**

**XYZ(69.0853, 73.3473,  
22.3206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDC63
RGB	255, 220, 99
RGB Percent	100%, 86%, 39%
CMY	0.0000, 0.1372, 0.6118
CMYK	0.00, 0.14, 0.61, 0.00
HSL	47°, 100%, 69%
HSV	47°, 61%, 100%
XYZ	69.0853, 73.3473, 22.3206
YIQ	216.6710, 59.7010, -30.2110

# Conversions

## Conversions Part 2

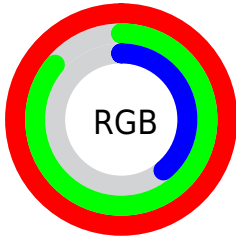
Format	Color
<a href="#">RYB</a>	<a href="#">144, 255, 99</a>
Decimal	<a href="#">16768099</a>
<a href="#">CIELab</a>	<a href="#">88.61, -1.36, 62.44</a>
<a href="#">CIElCh</a>	<a href="#">89, 62.456, 91.248</a>
<a href="#">Yxy</a>	<a href="#">73.3473, 0.4193, 0.4452</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294958179 (0xFFFFDC63)</a>
<a href="#">YUV</a>	<a href="#">216.6710, -58.0118, 33.6145</a>
<a href="#">Hunter-Lab</a>	<a href="#">85.6430, -5.8855, 44.4978</a>

# Details

The XYZ color **69.0853, 73.3473, 22.3206** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **31.7203, 26.9218, 98.1317**, and the grayscale version is **66.0857, 69.5273, 75.7152**.

A 20% lighter version of the original color is **82.8327, 95.1131, 44.5648**, and **36.4154, 38.6942, 7.9323** is the 20% darker color. If you saturate the color by 10%, you get **66.5783, 69.9861, 16.3908**, and if you desaturate by 10%, it is **72.0319, 76.9722, 30.2967**.

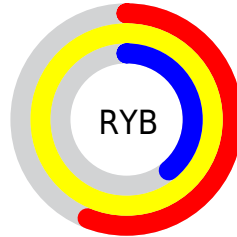
# Distribution



Red (100%)

Green (86%)

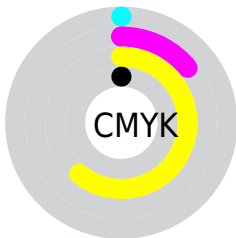
Blue (39%)



Red (56%)

Yellow (100%)

Blue (39%)

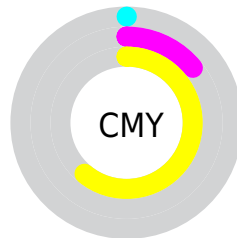


Cyan (0%)

Magenta (14%)

Yellow (61%)

Black (0%)



Cyan (0%)

Magenta (14%)


Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0853, 73.3473, 22.3206 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 69.0853, 73.3473, 22.3206 by changing the saturation by 10% instead.





 69.0853, 73.3473,  
22.3206

 69.0853, 73.3473,  
22.3206


446.6484,  
472.2176, 277.2239


 51.0581, 54.2600,  
13.8921


 116.9368,  
123.9701, 48.1843


 36.4761, 38.8096,  
7.9078


 147.4918,  
156.2744, 66.4565

 24.9739, 26.6116,  
3.9491


 182.9534,  
193.7532, 88.8471

 16.1862, 17.2817,  
1.5974

 223.6870,  
236.7908, 115.7746

 9.7477, 10.4356,  
0.2890

270.0580,  
285.7716, 147.6574

 5.2930, 5.6887,  
0.0000

322.4316,

 2.4567, 2.6567,

341.0801, 184.9143

0.0000

381.1733,  
403.1007, 227.9636

■ 0.8735, 0.9553,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.0853, 73.3473,  
22.3206

■ 69.0853, 73.3473,  
22.3206

■ 66.5783, 69.9861,  
16.3908

■ 72.0319, 76.9722,  
30.2967

■ 64.4676, 66.8619,  
12.3045


■ 75.4462, 80.8643,  
40.4875

■ 62.7092, 63.9593,  
9.8250

■ 79.3597, 85.0399,  
53.0487

■ 61.3879, 61.5561,  
8.6460

■ 83.7995, 89.5106,  
68.1208

 88.7907, 94.2872,  
85.8334

 94.3566, 99.3797,  
106.3070

95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



84.5974, 73.3473, 26.9750



69.0853, 73.3473, 22.3206



55.7413, 73.3473, 27.8611

# Triad

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



69.0853, 73.3473, 22.3206



47.7658, 73.3473, 131.0921



98.3196, 73.3473, 126.7846

# Complementary

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



69.0853, 73.3473, 22.3206



31.7203, 26.9218, 98.1317

# 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.



85.8469, 73.3473, 173.8578



69.0853, 73.3473, 22.3206



56.6881, 73.3473, 176.9111

# Square

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



69.0853, 73.3473, 22.3206



44.5786, 73.3473, 81.6836



70.3473, 73.3473, 194.8318



102.8709, 73.3473, 78.0692



# Rectangle

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



69.0853, 73.3473, 22.3206



49.4757, 73.3473, 38.3753



70.3473, 73.3473, 194.8318



94.8335, 73.3473, 143.8614

# Sweetspot

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



69.0870, 73.3508, 22.3221



85.3239, 90.9942, 73.4531



50.1034, 31.9448, 26.5957



17.9634, 19.1853, 14.6739



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.



69.0870, 73.3508, 22.3221



66.1651, 69.3990, 15.5139



65.5689, 86.6265, 25.0700



19.1953, 20.3588, 19.0623



32.1936, 32.3985, 4.5567



3.2154, 3.3161, 0.4706



# Inverse Universe

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



31.7203, 26.9218, 98.1317



26.1352, 19.7629, 97.0449



33.4290, 21.7722, 97.0476



17.3334, 18.0385, 22.8182



10.2918, 5.4931, 49.9524



1.0794, 0.6895, 4.8895



# Previews

## White Background



This preview shows how the XYZ color 69.0853, 73.3473, 22.3206 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

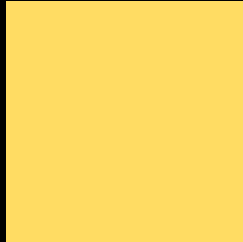
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.0853, 73.3473, 22.3206 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 69.0853, 73.3473, 22.3206**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.0853, 73.3473, 22.3206.



This preview shows how white text looks on a background with the XYZ color 69.0853, 73.3473,



# 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

69.0853, 73.3473, 22.3206

### Protanopia

67.0457, 73.4696, 22.7040

### Deuteranopia

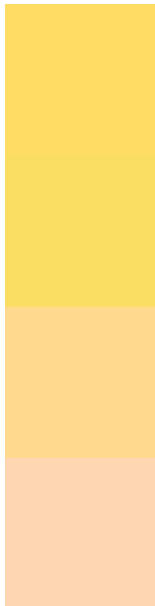
72.5874, 73.0883, 45.8790



## Tritanopia

77.8535, 73.1762, 79.8331

# Trichromacy



## Original Color

69.0853, 73.3473, 22.3206

## Protanomaly

67.8459, 73.4866, 22.6651

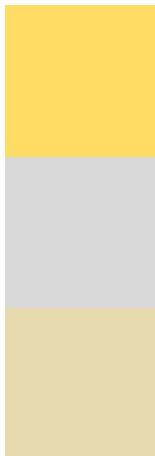
## Deuteranomaly

70.8606, 72.8088, 35.5181

## Tritanomaly

73.3224, 72.5675, 52.2619

# Monochromacy



## Original Color

69.0853, 73.3473, 22.3206

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

65.6664, 70.1877, 50.1310

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.0853, 73.3473, 22.3206 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 99) }
```

## Border

The CSS property to change the border of an element to XYZ 69.0853, 73.3473, 22.3206 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, 99) }
```



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

```
.border{ border-color:rgb(255, 220, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
99) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.0853, 73.3473, 22.3206 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, 99) }
```

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

```
.background{ background-color: rgb(255,  
220, 99) }
```

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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