

# Converting Colors

XYZ(70.4250, 73.9311, 32.7855)

Have a look what the booklet for  
XYZ(70.4250, 73.9311, 32.7855)  
contains.

<b>XYZ(70.3349, 73.7625, 32.7208)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(70.3349, 73.7625,  
32.7208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDDC85
RGB	253, 220, 133
RGB Percent	99%, 86%, 52%
CMY	0.0078, 0.1372, 0.4784
CMYK	0.00, 0.13, 0.47, 0.01
HSL	44°, 97%, 76%
HSV	44°, 47%, 99%
XYZ	70.3349, 73.7625, 32.7208
YIQ	219.9490, 47.5950, -20.0610

# Conversions

## Conversions Part 2

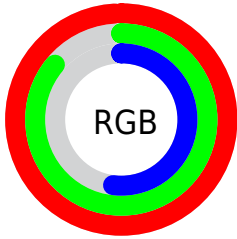
Format	Color
<a href="#">RYB</a>	<a href="#">179, 253, 133</a>
Decimal	<a href="#">16637061</a>
CIELab	<a href="#">88.81, 0.48, 46.74</a>
CIELCh	<a href="#">89, 46.747, 89.406</a>
Yxy	<a href="#">73.7625, 0.3978, 0.4172</a>
Android (android.graphics.Color)	<a href="#">4294827141</a> ( <a href="#">0xFFFD8C85</a> )
YUV	<a href="#">219.9490, -42.8659, 28.9857</a>
Hunter-Lab	<a href="#">85.8851, -4.1178, 37.5311</a>

# Details

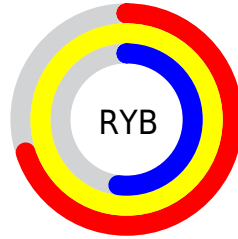
The XYZ color **70.3349, 73.7625, 32.7208** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.0383, 39.3495, 98.3607**, and the grayscale version is **68.2600, 71.8148, 78.2063**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **37.1885, 38.9737, 13.3472** is the 20% darker color. If you saturate the color by 10%, you get **67.0058, 69.5728, 24.0018**, and if you desaturate by 10%, it is **74.1645, 78.2795, 43.6850**.

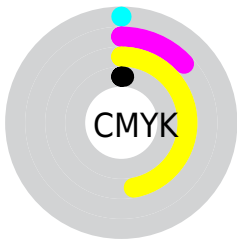
# Distribution



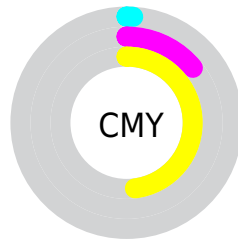
- Red (99%)
- Green (86%)
- Blue (52%)



- Red (70%)
- Yellow (99%)
- Blue (52%)



- Cyan (0%)
- Magenta (13%)
- Yellow (47%)
- Black (1%)




- Cyan (1%)
- Magenta (14%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.3349, 73.7625, 32.7208 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 70.3349, 73.7625, 32.7208 by changing the saturation by 10% instead.





 70.3349, 73.7625,  
32.7208

 70.3349, 73.7625,  
32.7208


450.9731,  
473.6533, 328.9831


 52.0802, 54.5997,  
21.6433


 118.7099,  
124.5591, 65.0504

 37.2935, 39.0813,  
13.3992


 149.5609,  
156.9616, 87.1395

 25.6096, 26.8230,  
7.5701


 185.3413,  
194.5462, 113.7362

 16.6629, 17.4403,  
3.7373

226.4166,  
237.6972, 145.2591

 10.0883, 10.5489,  
1.4824

273.1521,  
286.7990, 182.1267

 5.5202, 5.7644,  
0.2047

325.9131,

 2.5935, 2.7024,

342.2360, 224.7576

0.0000

385.0650,  
404.3926, 273.5702

■ 0.9426, 0.9784,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 70.3349, 73.7625,  
32.7208

■ 70.3349, 73.7625,  
32.7208

■ 67.0058, 69.5728,  
24.0018

■ 74.1645, 78.2795,  
43.6850

■ 64.1403, 65.6859,  
17.3613

■ 78.5178, 83.1262,  
57.0358

■ 61.7042, 62.0893,  
12.6166

■ 83.4229, 88.3180,  
72.9085

■ 59.6555, 58.7649,  
9.5510

■ 88.9040, 93.8660,  
91.4267

■ 57.9397, 55.6891,  
7.8820

94.2503, 99.4873,  
108.8432

■ 57.5318, 54.9303,  
7.5704

94.3180, 99.6226,  
108.8657

# Harmonies

## Analogous

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



81.7792, 73.7625, 37.7225



70.3349, 73.7625, 32.7208



59.9569, 73.7625, 37.3334

# Triad

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



70.3349, 73.7625, 32.7208



52.8071, 73.7625, 114.9699



90.5613, 73.7625, 116.3973

# Complementary

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



70.3349, 73.7625, 32.7208



41.0383, 39.3495, 98.3607

# 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.



81.3470, 73.7625, 147.7698



70.3349, 73.7625, 32.7208



59.6055, 73.7625, 146.8017

# Square

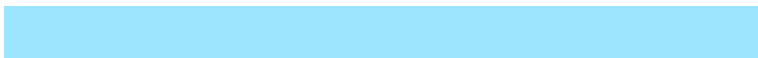
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.3349, 73.7625, 32.7208



50.5207, 73.7625, 79.6704



69.8837, 73.7625, 160.1530



94.2009, 73.7625, 80.9627



# Rectangle

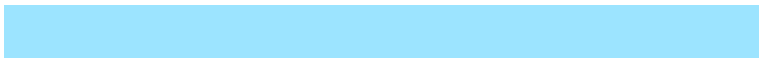
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.3349, 73.7625, 32.7208



54.8476, 73.7625, 46.2013



69.8837, 73.7625, 160.1530



87.9675, 73.7625, 128.0821

# Sweetspot

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



70.3367, 73.7660, 32.7223



86.7739, 91.8067, 80.3721



55.8710, 40.4484, 41.4226



18.3227, 19.3940, 16.3657



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.



70.3367, 73.7660, 32.7223



68.3450, 70.9973, 24.7538



71.0378, 88.2750, 35.4859



19.1141, 20.1965, 19.0352



30.7331, 29.4774, 4.0699



3.0838, 3.0530, 0.4268



# Inverse Universe

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



41.0383, 39.3495, 98.3607



35.2818, 32.2023, 98.9639



40.4159, 31.2387, 96.8279



17.4094, 18.1904, 22.8435



10.6858, 6.2811, 50.0838



1.1270, 0.7848, 4.9054



# Previews

## White Background



This preview shows how the XYZ color 70.3349, 73.7625, 32.7208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

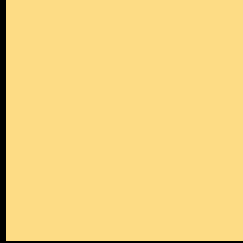
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.3349, 73.7625, 32.7208 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 70.3349, 73.7625, 32.7208**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.3349, 73.7625, 32.7208.



This preview shows how white text looks on a background with the XYZ color 70.3349, 73.7625,



# 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

70.3349, 73.7625, 32.7208

### Protanopia

67.9990, 73.7297, 33.2016

### Deuteranopia

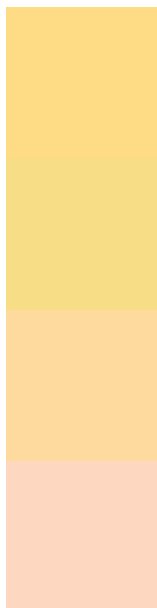
73.4992, 73.8643, 49.4131



## Tritanopia

78.3741, 73.7832, 81.3450

# Trichromacy



## Original Color

70.3349, 73.7625, 32.7208

## Protanomaly

68.7821, 73.7379, 33.1619

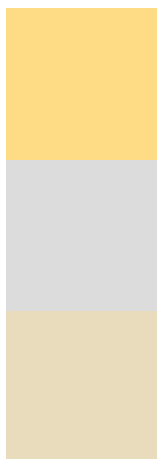
## Deuteranomaly

72.1160, 73.6823, 42.7689

## Tritanomaly

74.6879, 73.4775, 60.1153

# Monochromacy



## Original Color

70.3349, 73.7625, 32.7208

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

67.9490, 71.9730, 57.8878

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.3349, 73.7625, 32.7208 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, 220, 133)` looks like.

```
.text, #text, p{  
    color:rgb(253, 220, 133)  
}
```

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, 220, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 220, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 70.3349, 73.7625, 32.7208 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, 220, 133) }
```



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

```
.border{ border-color:rgb(253, 220, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 220, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 220, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 220, 133);  
box-shadow:4px 4px 4px 4px rgb(253, 220,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.3349, 73.7625, 32.7208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 220, 133) }
```

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

```
.background{ background-color: rgb(253,  
220, 133) }
```

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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