

# Converting Colors

XYZ(73.2427, 85.2249, 24.7934)

Have a look what the booklet for  
XYZ(73.2427, 85.2249, 24.7934)  
contains.

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# **Color**

**XYZ(73.1110, 84.9972,  
24.8647)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F365
RGB	248, 243, 101
RGB Percent	97%, 95%, 40%
CMY	0.0275, 0.0470, 0.6039
CMYK	0.00, 0.02, 0.59, 0.03
HSL	58°, 91%, 68%
HSV	58°, 59%, 97%
XYZ	73.1110, 84.9972, 24.8647
YIQ	228.3070, 48.5620, -43.1020

# Conversions

## Conversions Part 2

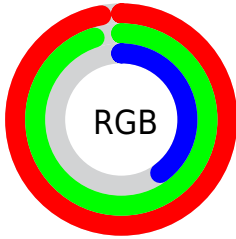
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	106, 248, 101
Decimal	16315237
CIE Lab	93.88, -15.50, 67.20
CIE LCh	94, 68.970, 102.990
Yxy	84.9972, 0.3996, 0.4645
Android (android.graphics.Color)	4294505317 (0xFFFF8F365)
YUV	228.3070, -62.7624, 17.2708
Hunter-Lab	92.1939, -19.7865, 48.5452

# Details

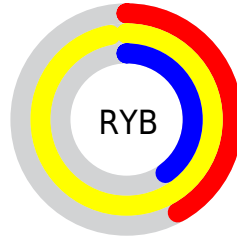
The XYZ color **73.1110, 84.9972, 24.8647** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **27.4643, 19.8518, 91.1909**, and the grayscale version is **74.3901, 78.2642, 85.2297**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **39.1926, 46.5339, 9.2018** is the 20% darker color. If you saturate the color by 10%, you get **71.8239, 84.0830, 19.3189**, and if you desaturate by 10%, it is **74.7698, 86.0682, 32.3446**.

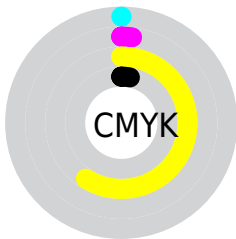
# Distribution



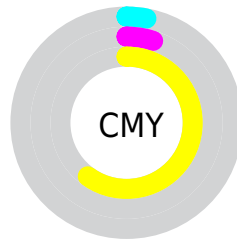
- Red (97%)
- Green (95%)
- Blue (40%)



- Red (42%)
- Yellow (97%)
- Blue (40%)



- Cyan (0%)
- Magenta (2%)
- Yellow (59%)
- Black (3%)



- Cyan (3%)
- Magenta (5%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1110, 84.9972, 24.8647 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 73.1110, 84.9972, 24.8647 by changing the saturation by 10% instead.



73.1110, 84.9972,  
24.8647

73.1110, 84.9972,  
24.8647

460.4973,  
511.6188, 290.5895

54.3554, 63.8391,  
15.7582

122.6371,  
140.3693, 52.3990

39.1177, 46.5203,  
9.2007

154.1383,  
175.3520, 71.6639

27.0324, 32.6566,  
4.7737

190.6187,  
215.7117, 95.1520

17.7343, 21.8635,  
2.0587

232.4438,  
261.8328, 123.2819

10.8579, 13.7567,  
0.5910

279.9788,  
314.0996, 156.4720

6.0380, 7.9516,  
0.0000

333.5892,

2.9091, 4.0640,

372.8967, 195.1410

0.0000

393.6402,  
438.6083, 239.7073

■ 1.1059, 1.7094,  
0.0000

■ 0.0300, 0.4298,  
0.0000

■ 73.1110, 84.9972,  
24.8647

■ 73.1110, 84.9972,  
24.8647

■ 71.8239, 84.0830,  
19.3189

■ 74.7698, 86.0682,  
32.3446

■ 70.8684, 83.3002,  
15.5223


■ 76.8242, 87.2961,  
41.9107


■ 70.2059, 82.6365,  
13.2633


■ 79.3030, 88.6957,  
53.7062


■ 69.7745, 82.0669,  
12.2148

■ 82.2308, 90.2767,  
67.8599


 69.7466, 82.0270,  
12.1568

 85.6301, 92.0481,  
84.4911

 89.5220, 94.0185,  
103.7107

 90.6071, 94.8680,  
108.1436

 90.8679, 95.3897,  
108.2305

 91.1299, 95.9137,  
108.3179

# Harmonies

## Analogous

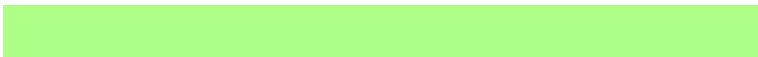
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.5578, 84.9972, 25.6366



73.1110, 84.9972, 24.8647



59.0327, 84.9972, 36.5540

# Triad

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



73.1110, 84.9972, 24.8647



57.6238, 84.9972, 179.9920



119.4537, 84.9972, 125.3768

# Complementary

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



73.1110, 84.9972, 24.8647



27.4643, 19.8518, 91.1909

# 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.



107.3209, 84.9972, 187.9171



73.1110, 84.9972, 24.8647



70.8964, 84.9972, 226.7533

# Square

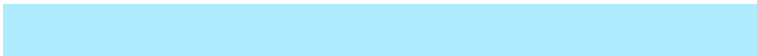
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1110, 84.9972, 24.8647



51.0466, 84.9972, 117.1773



88.9829, 84.9972, 230.1048



120.2872, 84.9972, 71.6361



# Rectangle

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



73.1110, 84.9972, 24.8647



53.2470, 84.9972, 53.8154



88.9829, 84.9972, 230.1048



116.4862, 84.9972, 146.4580

# Sweetspot

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



73.1130, 85.0011, 24.8664



88.0256, 96.3977, 74.3537



46.0910, 30.3549, 17.7162



18.6318, 20.5220, 14.8966



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.



73.1130, 85.0011, 24.8664



76.3037, 89.4125, 19.7064



55.1729, 78.0013, 24.4609



18.6739, 20.0836, 18.3547



37.6994, 44.3554, 6.5745



3.5070, 4.1389, 0.6140



# Inverse Universe

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



27.4643, 19.8518, 91.1909



23.7462, 14.4258, 96.1406



37.5659, 24.3176, 91.5205



16.3303, 16.7374, 21.7552



9.2223, 3.8003, 48.2210

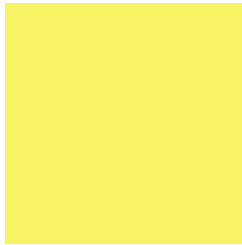


0.8703, 0.3842, 4.4715



# Previews

## White Background



This preview shows how the XYZ color 73.1110, 84.9972, 24.8647 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

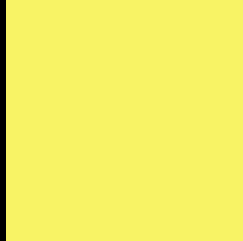
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.1110, 84.9972, 24.8647 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 73.1110, 84.9972, 24.8647**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.1110, 84.9972, 24.8647.



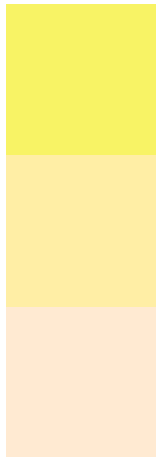
This preview shows how white text looks on a background with the XYZ color 73.1110, 84.9972,



# 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

73.1110, 84.9972, 24.8647

### Protanopia

78.6061, 85.1257, 47.8852

### Deuteranopia

82.2957, 84.7588, 72.9954



## Tritanopia

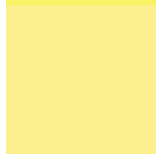
85.9936, 84.8829, 96.6457

# Trichromacy



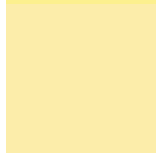
## Original Color

73.1110, 84.9972, 24.8647



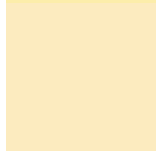
## Protanomaly

76.1875, 84.9686, 37.9763



## Deuteranomaly

77.6848, 84.1661, 50.1815



## Tritanomaly

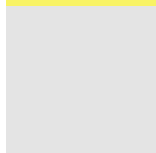
79.2572, 83.8737, 61.3022

# Monochromacy



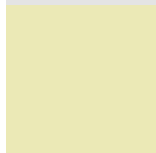
## Original Color

73.1110, 84.9972, 24.8647



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

71.8434, 79.3174, 55.7792

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1110, 84.9972, 24.8647 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(248, 243, 101)` looks like.

```
.text, #text, p{  
    color:rgb(248, 243, 101)  
}
```

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(248, 243, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 243, 101) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1110, 84.9972, 24.8647 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(248, 243, 101) }
```



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

```
.border{ border-color:rgb(248, 243, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 243, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 243, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 243, 101);  
box-shadow:4px 4px 4px 4px rgb(248, 243,  
101) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1110, 84.9972, 24.8647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 243, 101) }
```

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

```
.background{ background-color: rgb(248,  
243, 101) }
```

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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