

# Converting Colors

XYZ(67.1083, 72.3054, 23.2513)

Have a look what the booklet for  
XYZ(67.1083, 72.3054, 23.2513)  
contains.

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# **Color**

**XYZ(67.1083, 72.3054,  
23.2513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9DC67
RGB	249, 220, 103
RGB Percent	98%, 86%, 40%
CMY	0.0235, 0.1372, 0.5961
CMYK	0.00, 0.12, 0.59, 0.02
HSL	48°, 92%, 69%
HSV	48°, 59%, 98%
XYZ	67.1083, 72.3054, 23.2513
YIQ	215.3330, 54.8410, -30.2390

# Conversions

## Conversions Part 2

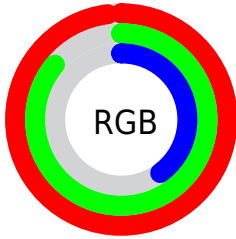
Format	Color
R <sub>Y</sub> B	139, 249, 103
Decimal	16374887
CIE Lab	88.12, -3.55, 59.97
CIE LCh	88, 60.071, 93.383
Yxy	72.3054, 0.4126, 0.4445
Android (android.graphics.Color)	4294564967 (0xFFF9DC67)
YUV	215.3330, -55.3802, 29.5260
Hunter-Lab	85.0326, -7.9336, 43.3106

# Details

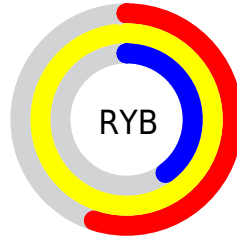
The XYZ color **67.1083, 72.3054, 23.2513** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **30.9435, 26.2248, 93.0531**, and the grayscale version is **65.1565, 68.5497, 74.6506**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **35.2447, 38.0792, 8.3981** is the 20% darker color. If you saturate the color by 10%, you get **64.7618, 69.3235, 17.1946**, and if you desaturate by 10%, it is **69.8687, 75.5197, 31.2830**.

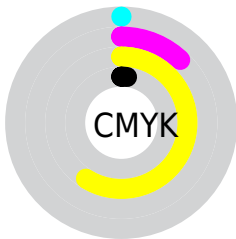
# Distribution



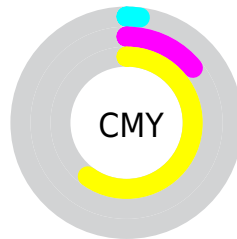
- Red (98%)
- Green (86%)
- Blue (40%)



- Red (55%)
- Yellow (98%)
- Blue (40%)



- Cyan (0%)
- Magenta (12%)
- Yellow (59%)
- Black (2%)



- Cyan (2%)
- Magenta (14%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1083, 72.3054, 23.2513 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 67.1083, 72.3054, 23.2513 by changing the saturation by 10% instead.



67.1083, 72.3054,  
23.2513

67.1083, 72.3054,  
23.2513

439.7566,  
468.6039, 282.1767

49.4437, 53.4082,  
14.5721

114.1245,  
122.4906, 49.7340

35.1875, 38.1287,  
8.3764

144.2068,  
154.5474, 68.3747

23.9746, 26.0826,  
4.2455

179.1590,  
191.7596, 91.1729

15.4394, 16.8855,  
1.7610

219.3466,  
234.5114, 118.5473

9.2167, 10.1529,  
0.4020

265.1347,  
283.1874, 150.9163

4.9410, 5.5004,  
0.0000

316.8889,

2.2471, 2.5438,

338.1719, 188.6985

0.0000

374.9744,  
399.8492, 232.3125

■ 0.7674, 0.8985,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 67.1083, 72.3054,  
23.2513

■ 67.1083, 72.3054,  
23.2513

■ 64.7618, 69.3235,  
17.1946

■ 69.8687, 75.5197,  
31.2830

■ 62.7895, 66.5495,  
12.9287


■ 73.0682, 78.9689,  
41.4433


■ 61.1525, 63.9700,  
10.2421


■ 76.7357, 82.6677,  
53.8754

■ 59.7924, 61.5610,  
8.8288


■ 80.8960, 86.6266,  
68.7092

 59.6173, 61.2407,  
8.6785

 85.5724, 90.8554,  
86.0643

 90.7862, 95.3631,  
106.0526

 92.7557, 98.6375,  
108.7579

 92.8767, 98.8796,  
108.7983

# Harmonies

## Analogous

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



81.8445, 72.3054, 27.0995



67.1083, 72.3054, 23.2513



54.6301, 72.3054, 29.4556

# Triad

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



67.1083, 72.3054, 23.2513



48.1599, 72.3054, 130.7160



96.4670, 72.3054, 119.7123

# Complementary

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



67.1083, 72.3054, 23.2513



30.9435, 26.2248, 93.0531

# 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.



85.0550, 72.3054, 164.8829



67.1083, 72.3054, 23.2513



57.0867, 72.3054, 172.6365

# Square

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



67.1083, 72.3054, 23.2513



44.6922, 72.3054, 83.4853



70.3657, 72.3054, 186.9181



100.1183, 72.3054, 74.1555



# Rectangle

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



67.1083, 72.3054, 23.2513



48.8680, 72.3054, 40.3697



70.3657, 72.3054, 186.9181



93.3399, 72.3054, 135.9057

# Sweetspot

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



67.1100, 72.3088, 23.2528



85.6818, 91.7099, 73.5724



48.0960, 31.5123, 25.4501



18.0517, 19.3618, 14.7033



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.



67.1100, 72.3088, 23.2528



68.0378, 72.7405, 17.3833



61.5561, 81.7381, 25.3655



18.4174, 19.5707, 18.2692



32.0150, 32.9867, 4.6797



3.0371, 3.1990, 0.4574



# Inverse Universe

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



30.9435, 26.2248, 93.0531



26.8588, 20.3539, 97.1208



33.9465, 22.7254, 92.2194



16.5621, 17.2010, 21.8325



9.8292, 5.0139, 48.4233



0.9810, 0.6058, 4.5084



# Previews

## White Background



This preview shows how the XYZ color 67.1083, 72.3054, 23.2513 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 67.1083, 72.3054, 23.2513 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 67.1083, 72.3054, 23.2513**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.1083, 72.3054, 23.2513.



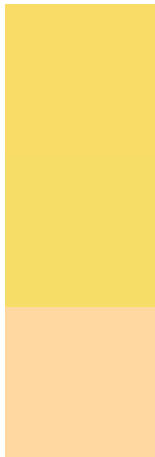
This preview shows how white text looks on a background with the XYZ color 67.1083, 72.3054,



# 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

67.1083, 72.3054, 23.2513

### Protanopia

65.9608, 72.1047, 23.2730

### Deuteranopia

71.9735, 72.4341, 43.9060



## Tritanopia

77.3597, 72.1886, 79.6685

# Trichromacy



## Original Color

67.1083, 72.3054, 23.2513

## Protanomaly

66.3107, 72.2850, 23.2894

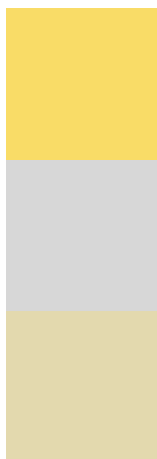
## Deuteranomaly

70.0545, 72.4018, 35.0936

## Tritanomaly

72.4389, 71.7258, 52.6743

# Monochromacy



## Original Color

67.1083, 72.3054, 23.2513

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

64.1314, 69.0126, 49.9851

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.1083, 72.3054, 23.2513 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(249, 220, 103)` looks like.

```
.text, #text, p{  
    color:rgb(249, 220, 103)  
}
```

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(249, 220, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 220, 103) }
```

## Border

The CSS property to change the border of an element to XYZ 67.1083, 72.3054, 23.2513 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(249, 220, 103) }
```



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

```
.border{ border-color:rgb(249, 220, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 220, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 220, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 220, 103);  
box-shadow:4px 4px 4px 4px rgb(249, 220,  
103) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.1083, 72.3054, 23.2513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 220, 103) }
```

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

```
.background{ background-color: rgb(249,  
220, 103) }
```

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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