

# Converting Colors

XYZ(69.2305, 71.6627, 32.0152)

Have a look what the booklet for  
XYZ(69.2305, 71.6627, 32.0152)  
contains.

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# **Color**

**XYZ(69.2287, 71.6603,  
32.0129)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDD884
RGB	253, 216, 132
RGB Percent	99%, 85%, 52%
CMY	0.0078, 0.1529, 0.4823
CMYK	0.00, 0.15, 0.48, 0.01
HSL	42°, 97%, 75%
HSV	42°, 48%, 99%
XYZ	69.2287, 71.6603, 32.0129
YIQ	217.4870, 49.0160, -18.2800

# Conversions

## Conversions Part 2

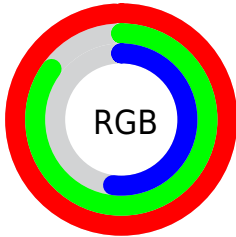
Format	Color
R <sub>Y</sub> B	185, 253, 132
Decimal	16636036
CIE Lab	87.80, 2.43, 45.98
CIE LCh	88, 46.048, 86.970
Yxy	71.6603, 0.4004, 0.4145
Android (android.graphics.Color)	4294826116 (0xFFFD884)
YUV	217.4870, -42.1451, 31.1449
Hunter-Lab	84.6524, -2.1645, 36.8351

# Details

The XYZ color **69.2287, 71.6603, 32.0129** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.4328, 40.3718, 98.5370**, and the grayscale version is **66.5460, 70.0116, 76.2427**.

A 20% lighter version of the original color is **85.8629, 96.3252, 60.5215**, and **36.4410, 37.5383, 12.9144** is the 20% darker color. If you saturate the color by 10%, you get **65.7682, 67.1821, 23.3291**, and if you desaturate by 10%, it is **73.2058, 76.4998, 42.9414**.

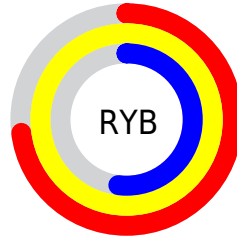
# Distribution



Red (99%)

Green (85%)

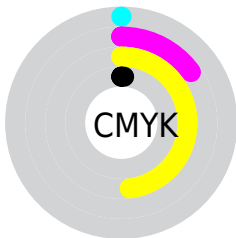
Blue (52%)



Red (73%)

Yellow (99%)

Blue (52%)

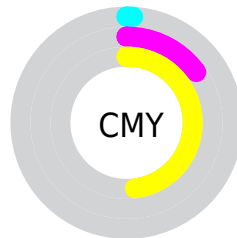


Cyan (0%)

Magenta (15%)

Yellow (48%)

Black (1%)



Cyan (1%)

Magenta (15%)

Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 69.2287, 71.6603, 32.0129 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 69.2287, 71.6603, 32.0129 by changing the saturation by 10% instead.



69.2287, 71.6603,  
32.0129

69.2287, 71.6603,  
32.0129

447.1459,  
466.3584, 325.6725

51.1753, 52.8812,  
21.1065

117.1404,  
121.5734, 63.9295

36.5698, 37.7080,  
13.0098

147.7295,  
153.4763, 85.7766

25.0467, 25.7561,  
7.3045

183.2278,  
190.5225, 112.1078

16.2408, 16.6413,  
3.5719

224.0008,  
233.0966, 143.3415

9.7866, 9.9791,  
1.3936

270.4137,  
281.5828, 179.8963

5.3189, 5.3851,  
0.1367

322.8320,

2.4722, 2.4749,

336.3655, 222.1907

0.0000

381.6209,  
397.8293, 270.6433

■ 0.8813, 0.8640,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 69.2287, 71.6603,  
32.0129

■ 69.2287, 71.6603,  
32.0129

■ 65.7682, 67.1821,  
23.3291

■ 73.2058, 76.4998,  
42.9414

■ 62.7869, 63.0402,  
16.7227

■ 77.7233, 81.7040,  
56.2571

■ 60.2503, 59.2212,  
12.0099

■ 82.8096, 87.2889,  
72.0955

■ 58.1154, 55.7061,  
8.9721

■ 88.4893, 93.2664,  
90.5808

■ 56.3256, 52.4699,  
7.3170

94.2165, 99.4198,  
108.8319

■ 55.9644, 51.7957,  
7.0479

94.3179, 99.6226,  
108.8657

# Harmonies

## Analogous

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



80.2287, 71.6603, 37.6418



69.2287, 71.6603, 32.0129



59.0120, 71.6603, 35.7172

# Triad

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



69.2287, 71.6603, 32.0129



51.0353, 71.6603, 108.6508



87.3065, 71.6603, 115.6733

# Complementary

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



69.2287, 71.6603, 32.0129



41.4328, 40.3718, 98.5370

# 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.



78.1002, 71.6603, 144.9516



69.2287, 71.6603, 32.0129



57.2793, 71.6603, 140.1933

# Square

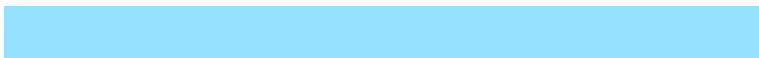
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.2287, 71.6603, 32.0129



49.1954, 71.6603, 74.8852



67.0053, 71.6603, 154.9436



91.3429, 71.6603, 81.2531



# Rectangle

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



69.2287, 71.6603, 32.0129



53.8662, 71.6603, 43.7217



67.0053, 71.6603, 154.9436



84.6687, 71.6603, 126.7611

# Sweetspot

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



69.2304, 71.6637, 32.0143



86.4421, 91.1430, 80.2615



56.0453, 40.3001, 43.0130



18.2415, 19.2314, 16.3386



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.



69.2304, 71.6637, 32.0143



67.2209, 68.7491, 24.3791



72.1861, 88.8748, 35.1806



19.0651, 20.0983, 19.0189



29.9060, 27.8232, 3.7942



3.0085, 2.9024, 0.4016



# Inverse Universe

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



41.4328, 40.3718, 98.5370



36.0072, 33.6530, 99.2056



39.3429, 30.4833, 96.7384



17.4559, 18.2833, 22.8590



10.9685, 6.8465, 50.1780



1.1596, 0.8498, 4.9162



# Previews

## White Background



This preview shows how the XYZ color 69.2287, 71.6603, 32.0129 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

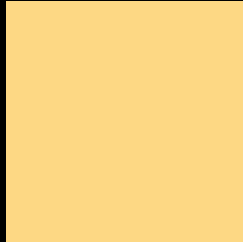
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 69.2287, 71.6603, 32.0129 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 69.2287, 71.6603, 32.0129**

## **Background**



This preview shows how black text looks on a background with the XYZ color 69.2287, 71.6603, 32.0129.



This preview shows how white text looks on a background with the XYZ color 69.2287, 71.6603,



# 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

69.2287, 71.6603, 32.0129

### Protanopia

66.1719, 71.6084, 32.8884

### Deuteranopia

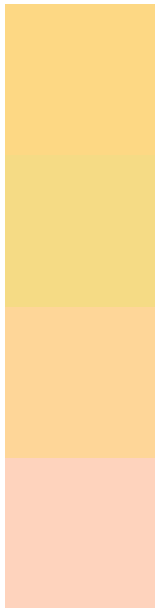
71.6451, 71.4928, 44.6737



## Tritanopia

76.8470, 71.5922, 78.1750

# Trichromacy



## Original Color

69.2287, 71.6603, 32.0129

## Protanomaly

67.2213, 71.7690, 32.5002

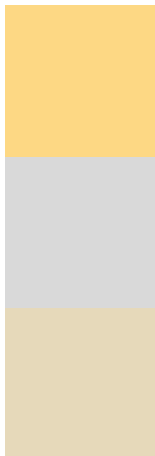
## Deuteranomaly

70.5871, 71.4310, 39.7730

## Tritanomaly

73.3526, 71.3335, 58.0468

# Monochromacy



## Original Color

69.2287, 71.6603, 32.0129

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

66.3089, 69.9939, 56.4697

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 69.2287, 71.6603, 32.0129 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, 216, 132)` looks like.

```
.text, #text, p{  
    color:rgb(253, 216, 132)  
}
```

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, 216, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 216, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 69.2287, 71.6603, 32.0129 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, 216, 132) }
```



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

```
.border{ border-color:rgb(253, 216, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 216, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 216, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 216, 132);  
box-shadow:4px 4px 4px 4px rgb(253, 216,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 69.2287, 71.6603, 32.0129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 216, 132) }
```

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

```
.background{ background-color: rgb(253,  
216, 132) }
```

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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