

Converting Colors

XYZ(67.4756, 72.7751, 13.6226)

Have a look what the booklet for
XYZ(67.4756, 72.7751, 13.6226)
contains.

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Color

**XYZ(67.4307, 72.6854,
13.6077)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDC33
RGB	255, 220, 51
RGB Percent	100%, 86%, 20%
CMY	0.0000, 0.1372, 0.8000
CMYK	0.00, 0.14, 0.80, 0.00
HSL	50°, 100%, 60%
HSV	50°, 80%, 100%
XYZ	67.4307, 72.6854, 13.6077
YIQ	211.1990, 75.1090, -45.1390

Conversions

Conversions Part 2

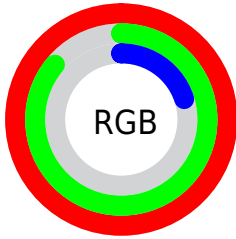
Format	Color
R _{YB}	93, 255, 51
Decimal	16768051
CIE Lab	88.30, -3.62, 79.83
CIE LCh	88, 79.912, 92.595
Yxy	72.6854, 0.4386, 0.4728
Android (android.graphics.Color)	4294958131 (0xFFFFDC33)
YUV	211.1990, -78.9781, 38.4135
Hunter-Lab	85.2557, -8.0178, 50.2157

Details

The XYZ color **67.4307, 72.6854, 13.6077** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **22.7432, 14.5795, 96.2223**, and the grayscale version is **62.5218, 65.7778, 71.6320**.

A 20% lighter version of the original color is **79.9246, 93.9499, 29.2509**, and **35.7033, 38.3796, 5.5262** is the 20% darker color. If you saturate the color by 10%, you get **65.8825, 70.2559, 11.0371**, and if you desaturate by 10%, it is **69.3201, 75.3051, 17.8121**.

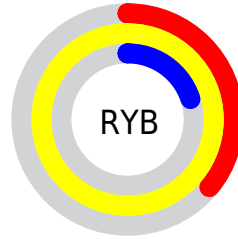
Distribution



Red (100%)

Green (86%)

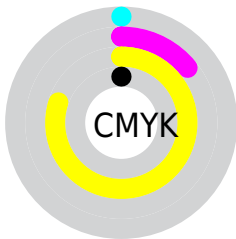
Blue (20%)



Red (36%)

Yellow (100%)

Blue (20%)

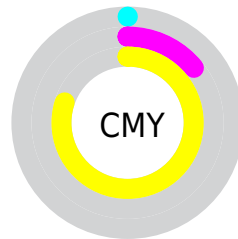


Cyan (0%)

Magenta (14%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4307, 72.6854, 13.6077 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 67.4307, 72.6854, 13.6077 by changing the saturation by 10% instead.

67.4307, 72.6854,
13.6077

67.4307, 72.6854,
13.6077

440.8847,
469.9237, 226.1194

49.7067, 53.7188,
7.7127

114.5837,
123.0305, 33.0984

35.3973, 38.3769,
3.8265

144.7435,
155.1777, 47.5311

24.1370, 26.2753,
1.5307

179.7792,
192.4873, 65.6468

15.5606, 17.0297,
0.2406

220.0563,
235.3436, 87.8641

9.3026, 10.2557,
0.0000

265.9400,
284.1310, 114.6015

4.9978, 5.5688,
0.0000

317.7957,

2.2807, 2.5847,

339.2338, 146.2774

0.0000

375.9889,
401.0366, 183.3106

■ 0.7848, 0.9190,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.4307, 72.6854,
13.6077

■ 67.4307, 72.6854,
13.6077

■ 65.8825, 70.2559,
11.0371

■ 69.3201, 75.3051,
17.8121

■ 64.5982, 67.9769,
9.7164

■ 71.5899, 78.1225,
23.8783

■ 64.5978, 67.9762,
9.7161

■ 74.2791, 81.1565,
32.0023

■ 77.4202, 84.4204,
42.3544

■ 81.0423, 87.9261,
55.0870

■ 85.1720, 91.6847,
70.3390

■ 89.8339, 95.7063,
88.2388

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



87.4676, 72.6854, 17.5675



67.4307, 72.6854, 13.6077



51.0789, 72.6854, 19.3776

Triad

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



67.4307, 72.6854, 13.6077



42.4630, 72.6854, 150.6721



107.2246, 72.6854, 138.3166

Complementary

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



67.4307, 72.6854, 13.6077



22.7432, 14.5795, 96.2223

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.



90.8925, 72.6854, 205.4686



67.4307, 72.6854, 13.6077



53.4777, 72.6854, 214.6249

Square

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



67.4307, 72.6854, 13.6077



38.4305, 72.6854, 84.0158



70.7667, 72.6854, 238.2593



112.8106, 72.6854, 74.4605

Rectangle

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



67.4307, 72.6854, 13.6077



43.7580, 72.6854, 30.7948



70.7667, 72.6854, 238.2593



102.6772, 72.6854, 162.0914

Sweetspot

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



67.4324, 72.6889, 13.6091



83.4571, 90.1499, 63.9233



44.2021, 24.3395, 11.6892



17.5515, 19.0107, 12.5348



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.



67.4324, 72.6889, 13.6091



65.0921, 68.8747, 10.1563



57.6931, 82.7574, 16.0659



19.2805, 20.5292, 19.0907



33.8514, 35.7141, 5.1093



3.3628, 3.6110, 0.5197

Inverse Universe

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



22.7432, 14.5795, 96.2223



19.4143, 9.7590, 95.4682



26.3840, 13.2742, 95.7785



17.2548, 17.8812, 22.7919



9.9700, 4.8496, 49.8452



1.0372, 0.6052, 4.8754

Previews

White Background



This preview shows how the XYZ color 67.4307, 72.6854, 13.6077 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 67.4307, 72.6854, 13.6077 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 67.4307, 72.6854, 13.6077

Background



This preview shows how black text looks on a background with the XYZ color 67.4307, 72.6854, 13.6077.



This preview shows how white text looks on a background with the XYZ color 67.4307, 72.6854,

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

67.4307, 72.6854, 13.6077

Protanopia

65.8080, 72.6302, 13.7994

Deuteranopia

71.7120, 72.3295, 42.5291



Tritanopia

77.3377, 72.5736, 78.3386

Trichromacy



Original Color

67.4307, 72.6854, 13.6077

Protanomaly

66.2599, 72.4701, 13.7447

Deuteranomaly

69.3826, 72.2176, 27.7353

Tritanomaly

71.5446, 71.8563, 42.8997

Monochromacy



Original Color

67.4307, 72.6854, 13.6077

Achromatopsia

61.9161, 65.1406, 70.9381

Achromatomaly

61.4749, 66.7239, 39.7759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4307, 72.6854, 13.6077 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 51) }
```

Border

The CSS property to change the border of an element to XYZ 67.4307, 72.6854, 13.6077 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, 51) }
```


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

```
.border{ border-color:rgb(255, 220, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4307, 72.6854, 13.6077 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, 51) }
```

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

```
.background{ background-color: rgb(255,  
220, 51) }
```

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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