

Converting Colors

XYZ(103.9652, 92.6960,
15.5195)

Have a look what the booklet for
XYZ(103.9652, 92.6960, 15.5195)
contains.

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Color

**XYZ(68.2252, 74.2744,
13.8725)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDF33
RGB	255, 223, 51
RGB Percent	100%, 87%, 20%
CMY	0.0000, 0.1255, 0.8000
CMYK	0.00, 0.13, 0.80, 0.00
HSL	51°, 100%, 60%
HSV	51°, 80%, 100%
XYZ	68.2252, 74.2744, 13.8725
YIQ	212.9600, 74.2840, -46.7080

Conversions

Conversions Part 2

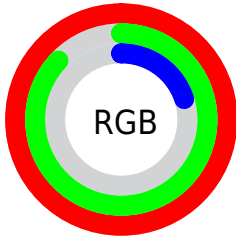
Format	Color
R _Y B	89, 255, 51
Decimal	16768819
CIE Lab	89.05, -5.13, 80.49
CIE LCh	89, 80.649, 93.644
Yxy	74.2744, 0.4363, 0.4750
Android (android.graphics.Color)	4294958899 (0xFFFFDF33)
YUV	212.9600, -79.8463, 36.8691
Hunter-Lab	86.1826, -9.5126, 50.7841

Details

The XYZ color **68.2252, 74.2744, 13.8725** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **22.5087, 14.1104, 96.1442**, and the grayscale version is **63.7038, 67.0213, 72.9862**.

A 20% lighter version of the original color is **79.9806, 93.9723, 29.5458**, and **36.2508, 39.4746, 5.7087** is the 20% darker color. If you saturate the color by 10%, you get **66.7542, 71.9993, 11.3276**, and if you desaturate by 10%, it is **70.0326, 76.7302, 18.0496**.

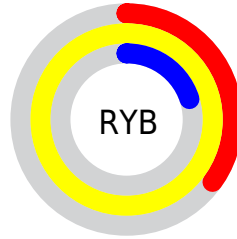
Distribution



Red (100%)

Green (87%)

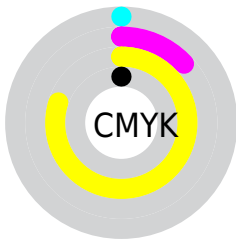
Blue (20%)



Red (35%)

Yellow (100%)

Blue (20%)

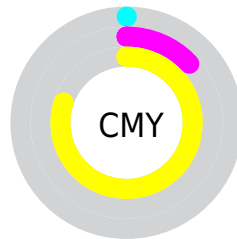


Cyan (0%)

Magenta (13%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2252, 74.2744, 13.8725 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 68.2252, 74.2744, 13.8725 by changing the saturation by 10% instead.

68.2252, 74.2744,
13.8725

68.2252, 74.2744,
13.8725

443.6577,
475.4199, 227.8370

50.3553, 55.0187,
7.8943

115.7144,
125.2847, 33.5765

35.9148, 39.4167,
3.9406

146.0644,
157.8081, 48.1394

24.5382, 27.0840,
1.5928

181.3052,
195.5228, 66.4009

15.8602, 17.6363,
0.2857

221.8020,
238.8132, 88.7796

9.5155, 10.6892,
0.0000

267.9204,
288.0637, 115.6940

5.1387, 5.8583,
0.0000

320.0255,

2.3645, 2.7591,

343.6587, 147.5627

0.0000

378.4829,
405.9826, 184.8042

■ 0.8273, 1.0073,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.2252, 74.2744,
13.8725

■ 68.2252, 74.2744,
13.8725

■ 66.7542, 71.9993,
11.3276

■ 70.0326, 76.7302,
18.0496

■ 65.5423, 69.8651,
10.0311

■ 72.2157, 79.3741,
24.0868

■ 65.5420, 69.8645,
10.0308

■ 74.8132, 82.2246,
32.1803

■ 77.8576, 85.2951,
42.5002

■ 81.3780, 88.5974,
55.1988

■ 85.4009, 92.1425,
70.4153

■ 89.9509, 95.9404,
88.2778

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.



88.7008, 74.2744, 17.5571



68.2252, 74.2744, 13.8725



51.6914, 74.2744, 20.1558

Triad

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



68.2252, 74.2744, 13.8725



43.6191, 74.2744, 156.7035



110.0769, 74.2744, 138.9371

Complementary

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



68.2252, 74.2744, 13.8725



22.5087, 14.1104, 96.1442

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.



93.6242, 74.2744, 208.2636



68.2252, 74.2744, 13.8725



55.1387, 74.2744, 221.4316

Square

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



68.2252, 74.2744, 13.8725



39.2457, 74.2744, 87.9344



73.0203, 74.2744, 243.6886



115.3281, 74.2744, 74.1986

Rectangle

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



68.2252, 74.2744, 13.8725



44.3662, 74.2744, 32.2485



73.0203, 74.2744, 243.6886



105.5400, 74.2744, 163.3037

Sweetspot

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



68.2269, 74.2780, 13.8740



83.7293, 90.6944, 64.0140



44.0637, 24.2841, 10.9605



17.6179, 19.1435, 12.5569



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.



68.2269, 74.2780, 13.8740



66.0078, 70.7062, 10.4616



56.8514, 82.3235, 16.0265



19.3043, 20.5768, 19.0986



34.3385, 36.6882, 5.2717



3.4058, 3.6969, 0.5341

Inverse Universe

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



22.5087, 14.1104, 96.1442



19.2590, 9.4485, 95.4164



26.8424, 13.5105, 95.8000



17.2330, 17.8376, 22.7847



9.8956, 4.7008, 49.8204



1.0268, 0.5844, 4.8719

Previews

White Background



This preview shows how the XYZ color 68.2252, 74.2744, 13.8725 looks on a white background.

Color Contrast Check

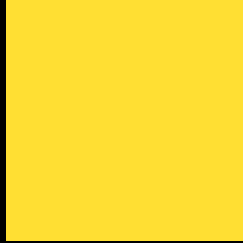
Large Text (above 18pt) WCAG AA × Fail

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 68.2252, 74.2744, 13.8725 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 68.2252, 74.2744, 13.8725

Background



This preview shows how black text looks on a background with the XYZ color 68.2252, 74.2744, 13.8725.



This preview shows how white text looks on a background with the XYZ color 68.2252, 74.2744,

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

68.2252, 74.2744, 13.8725

Protanopia

67.3981, 74.2458, 13.9106

Deuteranopia

73.1943, 74.1560, 46.5322



Tritanopia

78.4888, 74.2303, 80.7121

Trichromacy



Original Color

68.2252, 74.2744, 13.8725

Protanomaly

67.7612, 74.4330, 13.9276



Deuteranomaly

70.4713, 73.9016, 29.6190



Tritanomaly

72.4859, 73.4589, 44.0768

Monochromacy



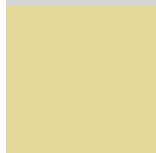
Original Color

68.2252, 74.2744, 13.8725



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

62.6405, 68.4528, 40.4831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.2252, 74.2744, 13.8725 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, 223, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 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, 223, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 51) }
```

Border

The CSS property to change the border of an element to XYZ 68.2252, 74.2744, 13.8725 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, 223, 51) }
```


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

```
.border{ border-color:rgb(255, 223, 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, 223, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 68.2252, 74.2744, 13.8725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 51) }
```

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

```
.background{ background-color: rgb(255,  
223, 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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