

Converting Colors

XYZ(68.8092, 74.0817, 18.2620)

Have a look what the booklet for
XYZ(68.8092, 74.0817, 18.2620)
contains.

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Color

**XYZ(68.8092, 74.0817,
18.2620)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDE50
RGB	255, 222, 80
RGB Percent	100%, 87%, 31%
CMY	0.0000, 0.1294, 0.6863
CMYK	0.00, 0.13, 0.69, 0.00
HSL	49°, 100%, 66%
HSV	49°, 69%, 100%
XYZ	68.8092, 74.0817, 18.2620
YIQ	215.6790, 65.2500, -37.1660

Conversions

Conversions Part 2

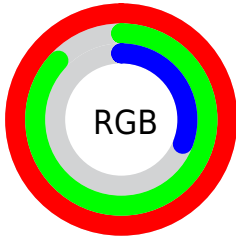
Format	Color
RYB	121, 255, 80
Decimal	16768592
CIELab	88.96, -3.46, 70.67
CIELCh	89, 70.756, 92.803
Yxy	74.0817, 0.4270, 0.4597
Android (android.graphics.Color)	4294958672 (0xFFFFDE50)
YUV	215.6790, -66.8897, 34.4845
Hunter-Lab	86.0707, -7.9220, 47.6697

Details

The XYZ color **68.8092, 74.0817, 18.2620** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **27.2633, 20.7352, 97.1724**, and the grayscale version is **65.4632, 68.8724, 75.0020**.

A 20% lighter version of the original color is **81.4439, 94.5576, 37.2514**, and **36.3737, 39.2593, 5.9191** is the 20% darker color. If you saturate the color by 10%, you get **66.7817, 71.2594, 13.7872**, and if you desaturate by 10%, it is **71.2339, 77.1268, 24.6335**.

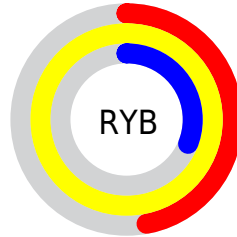
Distribution



Red (100%)

Green (87%)

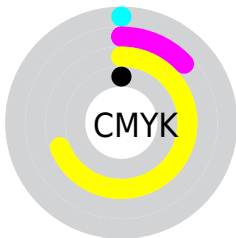
Blue (31%)



Red (47%)

Yellow (100%)

Blue (31%)

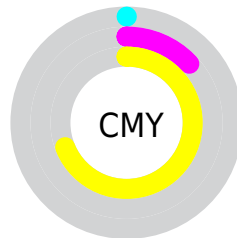


Cyan (0%)

Magenta (13%)

Yellow (69%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8092, 74.0817, 18.2620 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 68.8092, 74.0817, 18.2620 by changing the saturation by 10% instead.

68.8092, 74.0817,
18.2620

68.8092, 74.0817,
18.2620

445.6897,
474.7553, 254.6292

50.8324, 54.8609,
10.9669

116.5446,
125.0116, 41.3032

36.2958, 39.2904,
5.9307

147.0339,
157.4895, 57.8864

24.8339, 26.9857,
2.7349

182.4247,
195.1553, 78.4026

16.0814, 17.5625,
0.9609

223.0825,
238.3933, 103.2705

9.6730, 10.6363,
0.0000

269.3725,
287.5878, 132.9086

5.2433, 5.8229,
0.0000

321.6601,

2.4269, 2.7377,

343.1235, 167.7354

0.0000

380.3107,
405.3845, 208.1694

■ 0.8585, 0.9964,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 68.8092, 74.0817,
18.2620

■ 68.8092, 74.0817,
18.2620

■ 66.7817, 71.2594,
13.7872

■ 71.2339, 77.1268,
24.6335

■ 65.1030, 68.6315,
10.9786


■ 74.0870, 80.3993,
33.0881


■ 63.7135, 66.1767,
9.5160

■ 77.4026, 83.9158,
43.7947

■ 63.5339, 65.8483,
9.3614

■ 81.2092, 87.6885,
56.9037

 85.5333, 91.7283,
72.5525

 90.3994, 96.0454,
90.8680

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



86.6168, 74.0817, 22.3816



68.8092, 74.0817, 18.2620



53.9884, 74.0817, 24.4082

Triad

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



68.8092, 74.0817, 18.2620



46.1344, 74.0817, 143.5437



104.0734, 74.0817, 132.0939

Complementary

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



68.8092, 74.0817, 18.2620



27.2633, 20.7352, 97.1724

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.



89.8693, 74.0817, 189.1880



68.8092, 74.0817, 18.2620



56.3666, 74.0817, 197.4738

Square

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



68.8092, 74.0817, 18.2620



42.3015, 74.0817, 85.3782



72.0404, 74.0817, 216.8719



108.8322, 74.0817, 76.1234

Rectangle

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



68.8092, 74.0817, 18.2620



47.2390, 74.0817, 35.9180



72.0404, 74.0817, 216.8719



100.1426, 74.0817, 152.4479

Sweetspot

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



68.8109, 74.0852, 18.2635



84.4590, 90.7450, 68.6004



47.2034, 28.2357, 19.1829



17.8183, 19.1824, 13.7395



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.



68.8109, 74.0852, 18.2635



66.1789, 70.3520, 12.6657



61.7007, 84.7253, 20.6920



19.2530, 20.4742, 19.0815



33.3023, 34.6157, 4.9263



3.3141, 3.5137, 0.5035

Inverse Universe

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



27.2633, 20.7352, 97.1724



22.4462, 14.3464, 96.1938



30.5135, 17.9041, 96.4547



17.2801, 17.9317, 22.8004



10.0641, 5.0378, 49.8765



1.0500, 0.6307, 4.8797

Previews

White Background



This preview shows how the XYZ color 68.8092, 74.0817, 18.2620 looks on a white background.

Color Contrast Check

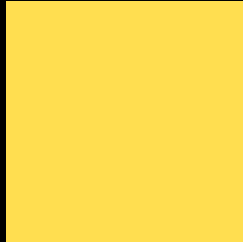
Large Text (above 18pt) WCAG AA × Fail

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 68.8092, 74.0817, 18.2620 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 68.8092, 74.0817, 18.2620

Background



This preview shows how black text looks on a background with the XYZ color 68.8092, 74.0817, 18.2620.



This preview shows how white text looks on a background with the XYZ color 68.8092, 74.0817,

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

68.8092, 74.0817, 18.2620

Protanopia

67.5652, 74.2294, 18.5512

Deuteranopia

73.2865, 74.1928, 47.0173



Tritanopia

78.2380, 73.7288, 80.6285

Trichromacy



Original Color

68.8092, 74.0817, 18.2620

Protanomaly

68.0178, 74.0649, 18.4956

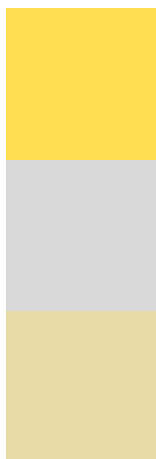
Deuteranomaly

70.9447, 73.6723, 33.4027

Tritanomaly

73.2423, 73.3503, 49.3275

Monochromacy



Original Color

68.8092, 74.0817, 18.2620

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

64.6796, 69.7558, 46.6145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8092, 74.0817, 18.2620 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, 222, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 80)  
}
```

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, 222, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 80) }
```

Border

The CSS property to change the border of an element to XYZ 68.8092, 74.0817, 18.2620 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, 222, 80) }
```


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

```
.border{ border-color:rgb(255, 222, 80) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8092, 74.0817, 18.2620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 80) }
```

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

```
.background{ background-color: rgb(255,  
222, 80) }
```

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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