

# Converting Colors

XYZ(74.1123, 82.2381, 17.3770)

Have a look what the booklet for  
XYZ(74.1123, 82.2381, 17.3770)  
contains.

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# **Color**

**XYZ(71.9917, 81.0940,  
17.3272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEB44
RGB	255, 235, 68
RGB Percent	100%, 92%, 27%
CMY	0.0000, 0.0784, 0.7333
CMYK	0.00, 0.08, 0.73, 0.00
HSL	54°, 100%, 63%
HSV	54°, 73%, 100%
XYZ	71.9917, 81.0940, 17.3272
YIQ	221.9420, 65.5270, -47.6970

# Conversions

## Conversions Part 2

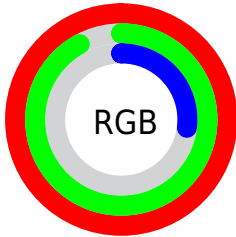
Format	Color
R <sub>Y</sub> B	90, 255, 68
Decimal	16771908
CIE Lab	92.17, -10.49, 78.13
CIE LCh	92, 78.826, 97.647
Yxy	81.0940, 0.4225, 0.4759
Android (android.graphics.Color)	4294961988 (0xFFFFEB44)
YUV	221.9420, -75.8934, 28.9919
Hunter-Lab	90.0522, -14.8906, 51.6284

# Details

The XYZ color **71.9917, 81.0940, 17.3272** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **23.9238, 15.4283, 96.3241**, and the grayscale version is **69.8791, 73.5182, 80.0613**.

A 20% lighter version of the original color is **80.8308, 94.3123, 34.0225**, and **38.5694, 44.1119, 6.4816** is the 20% darker color. If you saturate the color by 10%, you get **70.6024, 79.3019, 13.8240**, and if you desaturate by 10%, it is **73.7349, 83.0530, 22.6185**.

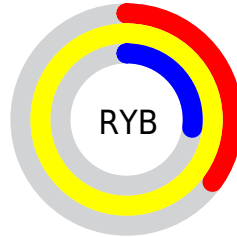
# Distribution



Red (100%)

Green (92%)

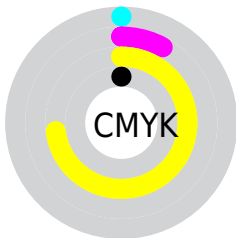
Blue (27%)



Red (35%)

Yellow (100%)

Blue (27%)

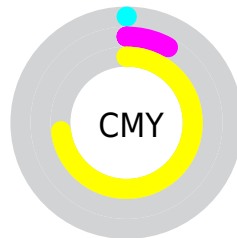


Cyan (0%)

Magenta (8%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9917, 81.0940, 17.3272 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 71.9917, 81.0940, 17.3272 by changing the saturation by 10% instead.



71.9917, 81.0940,  
17.3272

71.9917, 81.0940,  
17.3272

456.6708,  
498.6121, 249.1584

53.4373, 60.6190,  
10.3036

121.0556,  
134.9027, 39.6858

38.3809, 43.9178,  
5.4925

152.2958,  
169.0053, 55.8580

26.4570, 30.6059,  
2.4753

188.4954,  
208.4192, 75.9167

17.3003, 20.2989,  
0.8270

230.0197,  
253.5288, 100.2806

10.5455, 12.6125,  
0.0000

277.2340,  
304.7184, 129.3682

5.8271, 7.1623,  
0.0000

330.5037,

2.7799, 3.5638,

362.3726, 163.5980

0.0000

390.1942,  
426.8757, 203.3885

■ 1.0385, 1.4327,  
0.0000

■ 0.0000, 0.2406,  
0.0000

■ 71.9917, 81.0940,  
17.3272

■ 71.9917, 81.0940,  
17.3272

■ 70.6024, 79.3019,  
13.8240

■ 73.7349, 83.0530,  
22.6185

■ 69.5138, 77.6461,  
11.8540

■ 75.8654, 85.1830,  
29.8981

■ 68.9105, 76.6015,  
11.1536

■ 78.4187, 87.5014,  
39.3452

■ 81.4250, 90.0204,  
51.1173

■ 84.9114, 92.7510,  
65.3576

■ 88.9029, 95.7031,  
82.1975

■ 93.4227, 98.8862,  
101.7594

■ 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.



92.9209, 81.0940, 19.9545



71.9917, 81.0940, 17.3272



55.5811, 81.0940, 26.0079

# Triad

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



71.9917, 81.0940, 17.3272



50.0833, 81.0940, 175.8514



119.1793, 81.0940, 138.0866

# Complementary

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



71.9917, 81.0940, 17.3272



23.9238, 15.4283, 96.3241

# 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.



103.5048, 81.0940, 209.9174



71.9917, 81.0940, 17.3272



63.1457, 81.0940, 237.5884

# Square

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



71.9917, 81.0940, 17.3272



44.4625, 81.0940, 104.0489



82.3972, 81.0940, 252.2279



122.6759, 81.0940, 74.2220



# Rectangle

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



71.9917, 81.0940, 17.3272



48.5457, 81.0940, 40.9148



82.3972, 81.0940, 252.2279



115.0416, 81.0940, 162.7812

# Sweetspot

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



71.9936, 81.0978, 17.3288



85.4135, 93.1315, 67.4464



45.1451, 26.1300, 12.2974



18.0653, 19.7692, 13.5359



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.



71.9936, 81.0978, 17.3288



70.0603, 78.5133, 12.7309



56.4076, 82.0433, 18.3328



19.3856, 20.7393, 19.1257



36.0744, 40.1601, 5.8503



3.5580, 4.0014, 0.5848



# Inverse Universe

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



23.9238, 15.4283, 96.3241



19.9500, 10.1989, 95.5248



30.8799, 16.9032, 96.2421



17.1593, 17.6902, 22.7601



9.6896, 4.2889, 49.7517



0.9923, 0.5153, 4.8604



# Previews

## White Background



This preview shows how the XYZ color 71.9917, 81.0940, 17.3272 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

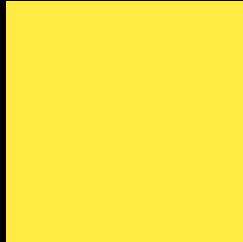
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.9917, 81.0940, 17.3272 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 71.9917, 81.0940, 17.3272**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.9917, 81.0940, 17.3272.



This preview shows how white text looks on a background with the XYZ color 71.9917, 81.0940,



# 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

71.9917, 81.0940, 17.3272

### Protanopia

74.2097, 81.0701, 31.8155

### Deuteranopia

78.8337, 80.6869, 63.0489



## Tritanopia

83.1606, 81.1086, 89.8697

# Trichromacy



## Original Color

71.9917, 81.0940, 17.3272



## Protanomaly

73.2643, 81.1462, 25.4370



## Deuteranomaly

75.2407, 80.5818, 40.0220



## Tritanomaly

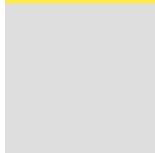
76.8993, 80.3546, 51.5014

# Monochromacy



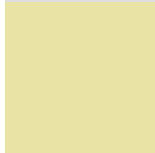
## Original Color

71.9917, 81.0940, 17.3272



## Achromatopsia

69.4303, 73.0461, 79.5472



## Achromatomaly

68.2837, 75.1838, 46.9894

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.9917, 81.0940, 17.3272 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, 235, 68)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 68)  
}
```

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, 235, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 68) }
```

## Border

The CSS property to change the border of an element to XYZ 71.9917, 81.0940, 17.3272 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, 235, 68) }
```



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

```
.border{ border-color:rgb(255, 235, 68) }
```

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

Here you see how a box with a 4 pixel rgb(255, 235, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 68);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
68) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.9917, 81.0940, 17.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 68) }
```

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

```
.background{ background-color: rgb(255,  
235, 68) }
```

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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