

# Converting Colors

XYZ(72.8943, 82.9811, 17.3758)

Have a look what the booklet for  
XYZ(72.8943, 82.9811, 17.3758)  
contains.

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# **Color**

**XYZ(72.7979, 82.8024,  
17.2999)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEE42
RGB	255, 238, 66
RGB Percent	100%, 93%, 26%
CMY	0.0000, 0.0666, 0.7411
CMYK	0.00, 0.07, 0.74, 0.00
HSL	55°, 100%, 63%
HSV	55°, 74%, 100%
XYZ	72.7979, 82.8024, 17.2999
YIQ	223.4750, 65.3440, -49.8880

# Conversions

## Conversions Part 2

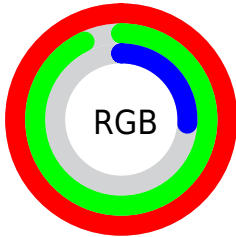
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	85, 255, 66
Decimal	16772674
CIE Lab	92.93, -12.05, 79.48
CIE LCh	93, 80.390, 98.618
Yxy	82.8024, 0.4210, 0.4789
Android (android.graphics.Color)	4294962754 (0xFFFFEE42)
YUV	223.4750, -77.6352, 27.6474
Hunter-Lab	90.9958, -16.4403, 52.4250

# Details

The XYZ color **72.7979, 82.8024, 17.2999** 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 **23.3903, 14.5648, 96.1856**, and the grayscale version is **70.9826, 74.6792, 81.3256**.

A 20% lighter version of the original color is **80.7659, 94.2864, 33.6809**, and **38.9761, 44.9252, 6.6172** is the 20% darker color. If you saturate the color by 10%, you get **71.5446, 81.2429, 13.9636**, and if you desaturate by 10%, it is **74.3983, 84.5206, 22.4054**.

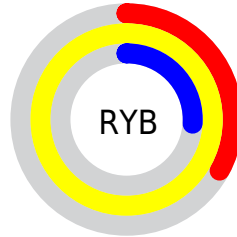
# Distribution



Red (100%)

Green (93%)

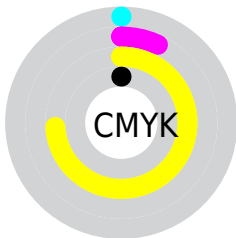
Blue (26%)



Red (33%)

Yellow (100%)

Blue (26%)

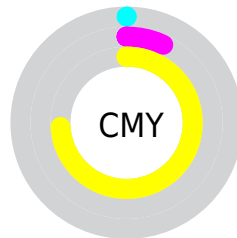


Cyan (0%)

Magenta (7%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7979, 82.8024, 17.2999 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 72.7979, 82.8024, 17.2999 by changing the saturation by 10% instead.





 72.7979, 82.8024,  
17.2999


 72.7979, 82.8024,  
17.2999


459.4287,  
504.3277, 248.9969

 54.0985, 62.0272,  
10.2843


 122.1949,  
137.2987, 39.6384


 38.9114, 45.0546,  
5.4798


 153.6233,  
171.7885, 55.7984


 26.8712, 31.5005,  
2.4678


 190.0254,  
211.6186, 75.8436

 17.6126, 20.9802,  
0.8230

 231.7665,  
257.1734, 100.1926

 10.7702, 13.1096,  
0.0000

 279.2120,  
308.8374, 129.2639

 5.9787, 7.5040,  
0.0000

332.7274,

 2.8727, 3.7793,

366.9948, 163.4760

0.0000

392.6778,  
432.0301, 203.2475

■ 1.0868, 1.5509,  
0.0000

■ 0.0140, 0.3241,  
0.0000

■ 72.7979, 82.8024,  
17.2999

■ 72.7979, 82.8024,  
17.2999

■ 71.5446, 81.2429,  
13.9636

■ 74.3983, 84.5206,  
22.4054

■ 70.5843, 79.8111,  
12.1371

■ 76.3797, 86.4017,  
29.4833

■ 70.1166, 79.0137,  
11.5556

■ 78.7779, 88.4633,  
38.7142

■ 81.6233, 90.7175,  
50.2572

■ 84.9432, 93.1753,  
64.2564

■ 88.7628, 95.8467,  
80.8442

■ 93.1054, 98.7413,  
100.1434

■ 95.0497, 99.9999,  
108.9000

# Harmonies

## Analogous

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



94.3791, 82.8024, 19.6122



72.7979, 82.8024, 17.2999



56.0709, 82.8024, 26.5799

# Triad

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



72.7979, 82.8024, 17.2999



51.1527, 82.8024, 183.4387



122.6646, 82.8024, 139.2984

# Complementary

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



72.7979, 82.8024, 17.2999



23.3903, 14.5648, 96.1856

# 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.



106.7238, 82.8024, 214.2427



72.7979, 82.8024, 17.2999



64.8634, 82.8024, 246.6434

# Square

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



72.7979, 82.8024, 17.2999



45.1165, 82.8024, 108.6421



84.9153, 82.8024, 259.9053



125.8183, 82.8024, 73.8988



# Rectangle

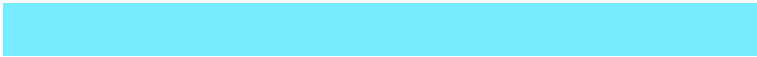
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.7979, 82.8024, 17.2999



48.9883, 82.8024, 42.3084



84.9153, 82.8024, 259.9053



118.5033, 82.8024, 164.8848

# Sweetspot

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



72.7998, 82.8063, 17.3016



85.7091, 93.7228, 67.5449



44.8243, 25.8115, 11.1944



18.1361, 19.9108, 13.5595



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.



72.7998, 82.8063, 17.3016



71.0426, 80.5290, 12.9010



55.4268, 81.5446, 17.9737



19.4134, 20.7949, 19.1350



36.6954, 41.4020, 6.0573



3.6121, 4.1096, 0.6028



# Inverse Universe

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



23.3903, 14.5648, 96.1856



19.6059, 9.6189, 95.4310



31.0860, 16.8330, 96.2178



17.1343, 17.6402, 22.7518



9.6350, 4.1796, 49.7335



0.9805, 0.4918, 4.8565



# Previews

## White Background



This preview shows how the XYZ color 72.7979, 82.8024, 17.2999 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

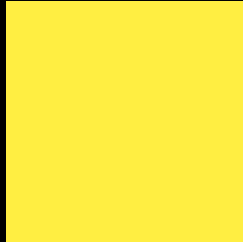
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7979, 82.8024, 17.2999 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 72.7979, 82.8024, 17.2999**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7979, 82.8024, 17.2999.



This preview shows how white text looks on a background with the XYZ color 72.7979, 82.8024,



# 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

72.7979, 82.8024, 17.2999

### Protanopia

76.0592, 82.7210, 38.7461

### Deuteranopia

80.3585, 82.6289, 66.9720



## Tritanopia

84.2695, 82.8612, 91.6731

# Trichromacy



## Original Color

72.7979, 82.8024, 17.2999



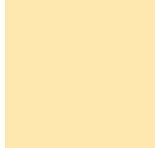
## Protanomaly

74.3878, 82.5119, 28.5287



## Deuteranomaly

76.3303, 82.3726, 41.5822



## Tritanomaly

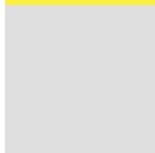
77.8345, 82.0684, 52.2959

# Monochromacy



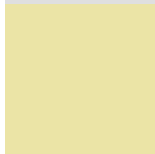
## Original Color

72.7979, 82.8024, 17.2999



## Achromatopsia

70.1384, 73.7910, 80.3584



## Achromatomaly

68.8873, 75.9021, 47.0962

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7979, 82.8024, 17.2999 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, 238, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 66)  
}
```

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, 238, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 66) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7979, 82.8024, 17.2999 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, 238, 66) }
```



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

```
.border{ border-color:rgb(255, 238, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
66) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7979, 82.8024, 17.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 66) }
```

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

```
.background{ background-color: rgb(255,  
238, 66) }
```

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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