

# Converting Colors

XYZ(71.0321, 80.4894, 12.9547)

Have a look what the booklet for  
XYZ(71.0321, 80.4894, 12.9547)  
contains.

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# Color

**XYZ(71.1701, 80.7654,  
13.0006)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEB1D
RGB	255, 235, 29
RGB Percent	100%, 92%, 11%
CMY	0.0000, 0.0784, 0.8862
CMYK	0.00, 0.08, 0.89, 0.00
HSL	55°, 100%, 56%
HSV	55°, 89%, 100%
XYZ	71.1701, 80.7654, 13.0006
YIQ	217.4960, 78.0460, -59.8260

# Conversions

## Conversions Part 2

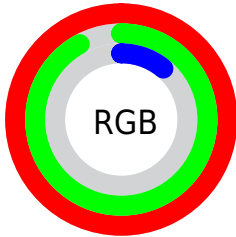
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 255, 29
Decimal	16771869
CIE <sub>Lab</sub>	92.03, -11.60, 87.77
CIE <sub>LCh</sub>	92, 88.533, 97.528
Y <sub>xy</sub>	80.7654, 0.4315, 0.4897
Android (android.graphics.Color)	4294961949 (0xFFFFE <sub>B</sub> 1D)
Y <sub>UV</sub>	217.4960, -92.9285, 32.8910
Hunter-Lab	89.8696, -15.9129, 54.3318

# Details

The XYZ color **71.1701, 80.7654, 13.0006** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **19.6556, 9.6786, 95.4391**, and the grayscale version is **66.8781, 70.3610, 76.6231**.

A 20% lighter version of the original color is **79.3490, 93.7196, 26.2195**, and **38.5694, 44.1119, 6.4816** is the 20% darker color. If you saturate the color by 10%, you get **70.3274, 79.4045, 11.7209**, and if you desaturate by 10%, it is **72.2780, 82.2517, 15.6205**.

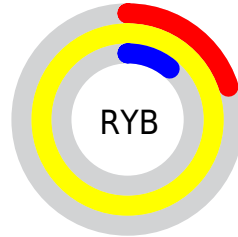
# Distribution



Red (100%)

Green (92%)

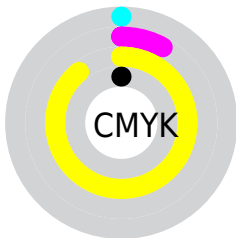
Blue (11%)



Red (20%)

Yellow (100%)

Blue (11%)

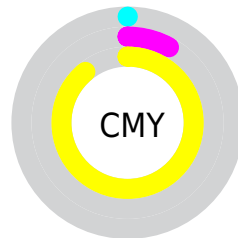


Cyan (0%)

Magenta (8%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1701, 80.7654, 13.0006 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 71.1701, 80.7654, 13.0006 by changing the saturation by 10% instead.



71.1701, 80.7654,  
13.0006

71.1701, 80.7654,  
13.0006

453.8504,  
497.5086, 222.1295

52.7641, 60.3484,  
7.2982

119.8931,  
134.4413, 31.9961

37.8412, 43.6995,  
3.5680

150.9408,  
168.4690, 46.1262

26.0361, 30.4344,  
1.3915

186.9330,  
207.8024, 63.9028

16.9835, 20.1685,  
0.1351

228.2352,  
252.8259, 85.7442

10.3179, 12.5176,  
0.0000

275.2127,  
303.9238, 112.0690

5.6741, 7.0972,  
0.0000

328.2308,

2.6867, 3.5230,

361.4807, 143.2958

0.0000

387.6549,  
425.8808, 179.8431

■ 0.9904, 1.4105,  
0.0000

■ 0.0000, 0.2244,  
0.0000

■ 71.1701, 80.7654,  
13.0006

■ 71.1701, 80.7654,  
13.0006

■ 70.3274, 79.4045,  
11.7209

■ 72.2780, 82.2517,  
15.6205

■ 70.2203, 79.2211,  
11.5902

■ 73.7068, 83.8764,  
19.8973

■ 75.5011, 85.6605,  
26.0585

■ 77.6972, 87.6186,  
34.2949

■ 80.3270, 89.7635,  
44.7737

■ 83.4190, 92.1066,  
57.6454

■ 86.9993, 94.6584,  
73.0472

■ 91.0920, 97.4285,  
91.1059

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.



94.7476, 80.7654, 15.5064



71.1701, 80.7654, 13.0006



53.0621, 80.7654, 21.2676

# Triad

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



71.1701, 80.7654, 13.0006



47.0125, 80.7654, 188.5827



124.7528, 80.7654, 145.1086

# Complementary

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



71.1701, 80.7654, 13.0006



19.6556, 9.6786, 95.4391

# 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.



106.6466, 80.7654, 229.5917



71.1701, 80.7654, 13.0006



61.2153, 80.7654, 262.1728

# Square

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



71.1701, 80.7654, 13.0006



41.0238, 80.7654, 105.4137



82.6459, 80.7654, 280.0498



128.8714, 80.7654, 72.5122



# Rectangle

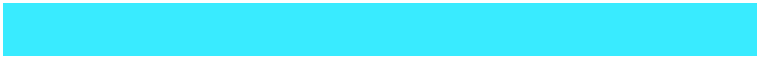
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.1701, 80.7654, 13.0006



45.4327, 80.7654, 36.3331



82.6459, 80.7654, 280.0498



119.9488, 80.7654, 173.9102

# Sweetspot

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



71.1719, 80.7692, 13.0022



83.9665, 92.5067, 59.9681



42.2905, 22.3837, 5.2949



17.7291, 19.6216, 11.8056



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.



71.1719, 80.7692, 13.0022



70.2209, 79.2218, 11.5903



51.4167, 79.5653, 13.8110



19.4157, 20.7996, 19.1357



36.7488, 41.5089, 6.0751



3.6167, 4.1189, 0.6044



# Inverse Universe

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



19.6556, 9.6786, 95.4391



18.3477, 7.8154, 95.1492



26.1535, 12.0503, 95.5544



17.1322, 17.6360, 22.7511



9.6307, 4.1710, 49.7321



0.9795, 0.4898, 4.8562



# Previews

## White Background



This preview shows how the XYZ color 71.1701, 80.7654, 13.0006 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

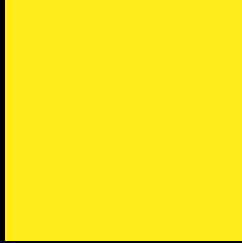
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1701, 80.7654, 13.0006 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 71.1701, 80.7654, 13.0006**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.1701, 80.7654, 13.0006.



This preview shows how white text looks on a background with the XYZ color 71.1701, 80.7654,



# 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

71.1701, 80.7654, 13.0006

### Protanopia

73.8918, 80.9430, 30.1414

### Deuteranopia

78.4978, 80.5526, 61.2801



## Tritanopia

82.7469, 80.5118, 89.0210

# Trichromacy



## Original Color

71.1701, 80.7654, 13.0006



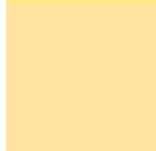
## Protanomaly

72.4243, 80.8102, 21.0133



## Deuteranomaly

74.0496, 80.1053, 33.7493



## Tritanomaly

75.2414, 79.2500, 44.1320

# Monochromacy



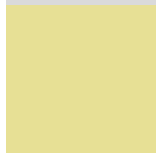
## Original Color

71.1701, 80.7654, 13.0006



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

65.0355, 72.4702, 38.9942

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1701, 80.7654, 13.0006 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, 29)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 29)  
}
```

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, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 29) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1701, 80.7654, 13.0006 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, 29) }
```



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

```
.border{ border-color:rgb(255, 235, 29) }
```

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, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 29);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
29) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1701, 80.7654, 13.0006 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, 29) }
```

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

```
.background{ background-color: rgb(255,  
235, 29) }
```

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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