

# Converting Colors

XYZ(70.8304, 79.8815, 21.3088)

Have a look what the booklet for  
XYZ(70.8304, 79.8815, 21.3088)  
contains.

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# Color

**XYZ(71.0519, 80.0931,  
21.3875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBEA5A
RGB	251, 234, 90
RGB Percent	98%, 92%, 35%
CMY	0.0157, 0.0823, 0.6470
CMYK	0.00, 0.07, 0.64, 0.02
HSL	54°, 95%, 67%
HSV	54°, 64%, 98%
XYZ	71.0519, 80.0931, 21.3875
YIQ	222.6670, 56.3560, -41.1800

# Conversions

## Conversions Part 2

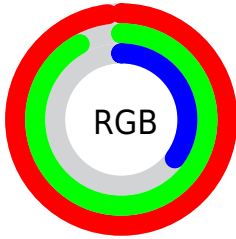
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">109, 251, 90</a>
Decimal	<a href="#">16509530</a>
<a href="#">CIELab</a>	<a href="#">91.73, -10.55, 69.48</a>
<a href="#">CIELCh</a>	<a href="#">92, 70.273, 98.638</a>
<a href="#">Yxy</a>	<a href="#">80.0931, 0.4118, 0.4642</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4294699610 (0xFFFBEA5A)</a>
<a href="#">YUV</a>	<a href="#">222.6670, -65.4048, 24.8480</a>
<a href="#">Hunter-Lab</a>	<a href="#">89.4947, -14.9006, 48.4772</a>

# Details

The XYZ color **71.0519, 80.0931, 21.3875** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.8867, 19.6535, 93.6425**, and the grayscale version is **70.3262, 73.9886, 80.5736**.

A 20% lighter version of the original color is **82.1883, 94.8553, 41.1713**, and **37.8156, 43.4004, 7.4826** is the 20% darker color. If you saturate the color by 10%, you get **69.4108, 78.2419, 16.4304**, and if you desaturate by 10%, it is **73.0686, 82.1187, 28.2505**.

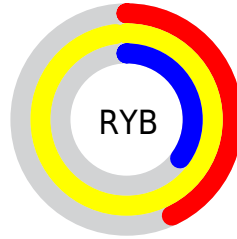
# Distribution



Red (98%)

Green (92%)

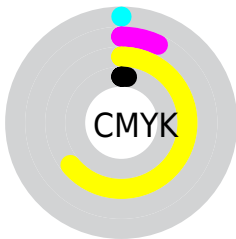
Blue (35%)



Red (43%)

Yellow (98%)

Blue (35%)

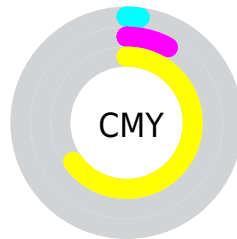


Cyan (0%)

Magenta (7%)

Yellow (64%)

Black (2%)



Cyan (2%)

Magenta (8%)


Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0519, 80.0931, 21.3875 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 71.0519, 80.0931, 21.3875 by changing the saturation by 10% instead.





 71.0519, 80.0931,  
21.3875

 71.0519, 80.0931,  
21.3875


453.4439,  
495.2465, 272.1791


 52.6672, 59.7950,  
13.2135


 119.7257,  
133.4966, 46.6207


 37.7636, 43.2534,  
7.4433


 150.7456,  
167.3708, 64.5170

 25.9756, 30.0840,  
3.6582


 186.7080,  
206.5391, 86.4912

 16.9380, 19.9023,  
1.4398

 227.9781,  
251.3860, 112.9618

 10.2853, 12.3241,  
0.1725

274.9214,  
302.2957, 144.3473

 5.6523, 6.9648,  
0.0000

327.9032,

 2.6734, 3.4401,

359.6528, 181.0664

0.0000

387.2889,  
423.8416, 223.5375

■ 0.9835, 1.3656,  
0.0000

■ 0.0000, 0.1911,  
0.0000

■ 71.0519, 80.0931,  
21.3875

■ 71.0519, 80.0931,  
21.3875

■ 69.4108, 78.2419,  
16.4304

■ 73.0686, 82.1187,  
28.2505

■ 68.1017, 76.5384,  
13.1741

■ 75.4880, 84.3204,  
37.1868

■ 67.0800, 74.9677,  
11.3757

■ 78.3412, 86.7139,  
48.3510

■ 66.5756, 74.0935,  
10.7926

■ 81.6544, 89.3097,  
61.8818

85.4521, 92.1175,  
77.9066

89.7565, 95.1466,  
96.5436

92.8171, 97.6965,  
108.5731

93.5933, 99.2491,  
108.8318

# Harmonies

## Analogous

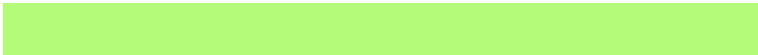
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4223, 80.0931, 23.6899



71.0519, 80.0931, 21.3875



56.5201, 80.0931, 30.4891

# Triad

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



71.0519, 80.0931, 21.3875



52.1947, 80.0931, 164.7656



113.0642, 80.0931, 128.4603

# Complementary

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



71.0519, 80.0931, 21.3875



26.8867, 19.6535, 93.6425

# 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.



99.8108, 80.0931, 189.6253



71.0519, 80.0931, 21.3875



64.2178, 80.0931, 215.6894

# Square

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



71.0519, 80.0931, 21.3875



46.8132, 80.0931, 102.9362



81.4363, 80.0931, 226.2399



115.6643, 80.0931, 73.1692



# Rectangle

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



71.0519, 80.0931, 21.3875



50.2627, 80.0931, 45.1704



81.4363, 80.0931, 226.2399



109.6174, 80.0931, 149.5326

# Sweetspot

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



71.0538, 80.0969, 21.3891



86.5978, 94.0436, 72.3315



46.1887, 28.9217, 17.5560



18.2984, 19.9527, 14.4855



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.



71.0538, 80.0969, 21.3891



71.5219, 80.5751, 15.8732



57.3995, 80.5873, 22.2035



18.5617, 19.8593, 18.3173



35.0597, 39.0760, 5.6946



3.2907, 3.7063, 0.5419



# Inverse Universe

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



26.8867, 19.6535, 93.6425



22.6560, 13.7852, 96.0744



33.9653, 20.9263, 93.5151



16.4304, 16.9377, 21.7886



9.4015, 4.1585, 48.2807



0.9178, 0.4793, 4.4873



# Previews

## White Background



This preview shows how the XYZ color 71.0519, 80.0931, 21.3875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

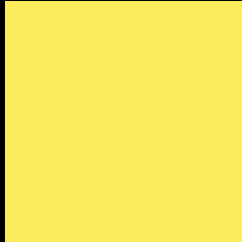
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0519, 80.0931, 21.3875 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

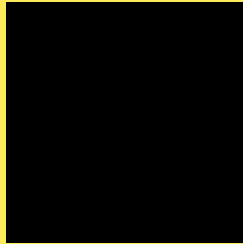
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 71.0519, 80.0931, 21.3875**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.0519, 80.0931, 21.3875.



This preview shows how white text looks on a background with the XYZ color 71.0519, 80.0931,



# 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

71.0519, 80.0931, 21.3875

### Protanopia

73.3075, 80.2576, 28.4572

### Deuteranopia

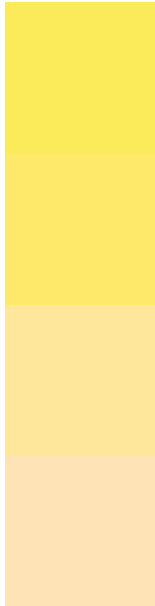
78.2235, 80.0039, 61.1887



## Tritanopia

82.6231, 80.0335, 89.6906

# Trichromacy



## Original Color

71.0519, 80.0931, 21.3875

## Protanomaly

72.6658, 80.4102, 25.6007

## Deuteranomaly

75.0863, 80.0310, 42.5004

## Tritanomaly

76.7856, 79.3864, 55.5320

# Monochromacy



## Original Color

71.0519, 80.0931, 21.3875

## Achromatopsia

70.1384, 73.7910, 80.3584

## Achromatomaly

68.8112, 75.3570, 51.4760

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0519, 80.0931, 21.3875 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(251, 234, 90)` looks like.

```
.text, #text, p{  
    color:rgb(251, 234, 90)  
}
```

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(251, 234, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 234, 90) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0519, 80.0931, 21.3875 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(251, 234, 90) }
```



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

```
.border{ border-color:rgb(251, 234, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 234, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 234, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 234, 90);  
box-shadow:4px 4px 4px 4px rgb(251, 234,  
90) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0519, 80.0931, 21.3875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 234, 90) }
```

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

```
.background{ background-color: rgb(251,  
234, 90) }
```

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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