

# Converting Colors

XYZ(71.3826, 80.7044, 28.6602)

Have a look what the booklet for  
XYZ(71.3826, 80.7044, 28.6602)  
contains.

<b>XYZ(71.2770, 80.4752, 28.6062)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(71.2770, 80.4752,  
28.6062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F7EB75
RGB	247, 235, 117
RGB Percent	97%, 92%, 46%
CMY	0.0314, 0.0784, 0.5412
CMYK	0.00, 0.05, 0.53, 0.03
HSL	54°, 89%, 71%
HSV	54°, 53%, 97%
XYZ	71.2770, 80.4752, 28.6062
YIQ	225.1360, 45.0300, -34.1540

# Conversions

## Conversions Part 2

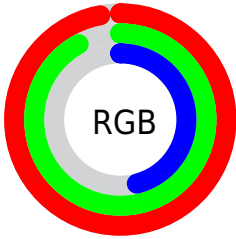
Format	Color
<a href="#">RYB</a>	<a href="#">130, 247, 117</a>
Decimal	<a href="#">16247669</a>
CIELab	<a href="#">91.90, -10.81, 57.94</a>
CIElCh	<a href="#">92, 58.937, 100.572</a>
Yxy	<a href="#">80.4752, 0.3952, 0.4462</a>
Android (android.graphics.Color)	<a href="#">4294437749</a> ( <a href="#">0xFFF7EB75</a> )
YUV	<a href="#">225.1360, -53.3110, 19.1747</a>
Hunter-Lab	<a href="#">89.7080, -15.1627, 43.8891</a>

# Details

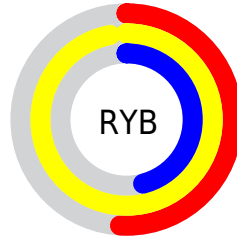
The XYZ color **71.2770, 80.4752, 28.6062** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.9748, 26.1971, 91.3666**, and the grayscale version is **72.0165, 75.7669, 82.5102**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **37.7563, 43.2904, 11.0685** is the 20% darker color. If you saturate the color by 10%, you get **69.3646, 78.6760, 21.7250**, and if you desaturate by 10%, it is **73.5847, 82.4519, 37.5110**.

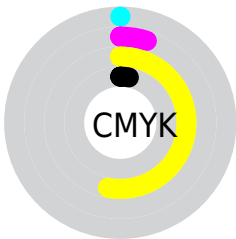
# Distribution



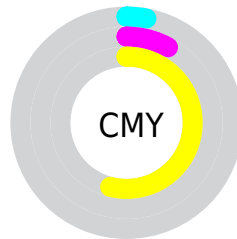
- Red (97%)
- Green (92%)
- Blue (46%)



- Red (51%)
- Yellow (97%)
- Blue (46%)



- Cyan (0%)
- Magenta (5%)
- Yellow (53%)
- Black (3%)




- Cyan (3%)
- Magenta (8%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2770, 80.4752, 28.6062 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 71.2770, 80.4752, 28.6062 by changing the saturation by 10% instead.




 71.2770, 80.4752,  
28.6062


 71.2770, 80.4752,  
28.6062


454.2180,  
496.5328, 309.3549


 52.8516, 60.1095,  
18.5401


 120.0444,  
134.0336, 58.4855

 37.9113, 43.5069,  
11.1650


 151.1172,  
167.9951, 79.1358

 26.0908, 30.2830,  
6.0624


 187.1365,  
207.2573, 104.1513

 17.0246, 20.0535,  
2.8136

228.4676,  
252.2046, 133.9505

 10.3474, 12.4339,  
1.0003

275.4760,  
303.2215, 168.9519

 5.6940, 7.0399,  
0.0000

328.5269,

 2.6988, 3.4871,

360.6922, 209.5741

0.0000

387.9858,  
425.0012, 256.2356

■ 0.9965, 1.3910,  
0.0000

■ 0.0000, 0.2101,  
0.0000

■ 71.2770, 80.4752,  
28.6062

■ 71.2770, 80.4752,  
28.6062

■ 69.3646, 78.6760,  
21.7250

■ 73.5847, 82.4519,  
37.5110

■ 67.8109, 77.0305,  
16.7000

■ 76.3095, 84.6059,  
48.5793

■ 66.5822, 75.5284,  
13.3454

■ 79.4783, 86.9509,  
61.9441

■ 65.6354, 74.1522,  
11.4345

■ 83.1141, 89.4963,  
77.7264

65.0704, 73.1996,  
10.6994

87.2383, 92.2506,  
96.0387

90.1842, 94.5471,  
108.1040

90.8916, 95.9620,  
108.3398

91.6076, 97.3940,  
108.5784

92.1676, 98.5141,  
108.7651

# Harmonies

## Analogous

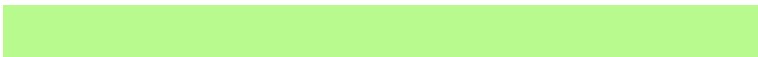
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5749, 80.4752, 30.2133



71.2770, 80.4752, 28.6062



59.0920, 80.4752, 38.3668

# Triad

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



71.2770, 80.4752, 28.6062



56.4591, 80.4752, 153.7181



107.3207, 80.4752, 118.3459

# Complementary

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



71.2770, 80.4752, 28.6062



31.9748, 26.1971, 91.3666

# 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.



97.0043, 80.4752, 167.3267



71.2770, 80.4752, 28.6062



67.2190, 80.4752, 191.9649

# Square

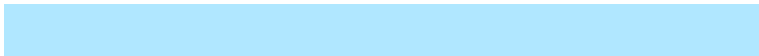
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.2770, 80.4752, 28.6062



51.3168, 80.4752, 103.8093



81.9496, 80.4752, 197.6336



108.7837, 80.4752, 73.2147



# Rectangle

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



71.2770, 80.4752, 28.6062



53.8546, 80.4752, 52.7447



81.9496, 80.4752, 197.6336



104.7149, 80.4752, 135.2413

# Sweetspot

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



71.2789, 80.4789, 28.6079



87.9741, 95.2671, 77.5040



48.7488, 34.1092, 25.1345



18.6563, 20.2698, 15.8336



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.



71.2789, 80.4789, 28.6079



74.4889, 84.5001, 23.0564



58.9777, 79.4079, 29.0495



17.7763, 19.0368, 17.5351



34.4698, 38.8251, 5.6772



3.0670, 3.4872, 0.5115



# Inverse Universe

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



31.9748, 26.1971, 91.3666



28.1890, 20.5920, 97.0967



39.5127, 27.8740, 91.2930



15.7041, 16.1724, 20.8365



9.0820, 3.9579, 46.8233

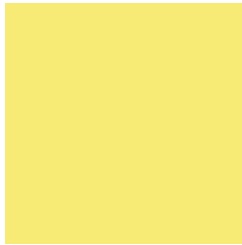


0.8391, 0.4296, 4.1289



# Previews

## White Background



This preview shows how the XYZ color 71.2770, 80.4752, 28.6062 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

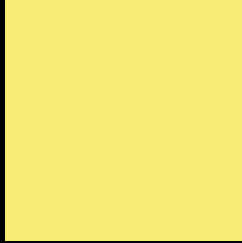
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.2770, 80.4752, 28.6062 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

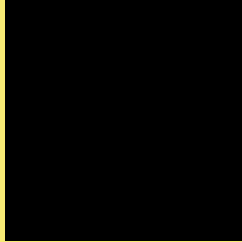
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.2770, 80.4752, 28.6062**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.2770, 80.4752, 28.6062.



This preview shows how white text looks on a background with the XYZ color 71.2770, 80.4752,



# 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

71.2770, 80.4752, 28.6062

### Protanopia

73.7983, 80.4539, 31.0416

### Deuteranopia

78.5594, 80.1383, 62.9575



## Tritanopia

83.0603, 80.2084, 91.9929

# Trichromacy

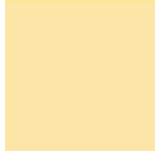


## Original Color

71.2770, 80.4752, 28.6062

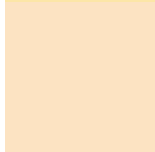
## Protanomaly

72.7966, 80.3784, 30.0901



## Deuteranomaly

75.4167, 80.0791, 48.0411



## Tritanomaly

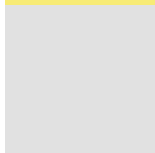
77.3516, 79.5287, 62.3126

# Monochromacy



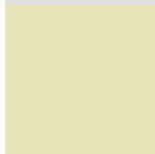
## Original Color

71.2770, 80.4752, 28.6062



## Achromatopsia

71.5672, 75.2942, 81.9954



## Achromatomaly

70.4865, 76.9074, 57.5840

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.2770, 80.4752, 28.6062 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(247, 235, 117)` looks like.

```
.text, #text, p{  
    color:rgb(247, 235, 117)  
}
```

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(247, 235, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 235, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 71.2770, 80.4752, 28.6062 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(247, 235, 117) }
```



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

```
.border{ border-color:rgb(247, 235, 117) }
```

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

Here you see how a box with a 4 pixel rgb(247, 235, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 235, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 235, 117);  
box-shadow:4px 4px 4px 4px rgb(247, 235,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.2770, 80.4752, 28.6062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 235, 117) }
```

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

```
.background{ background-color: rgb(247,  
235, 117) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor