

# Converting Colors

XYZ(71.2523, 80.4601, 14.4931)

Have a look what the booklet for  
XYZ(71.2523, 80.4601, 14.4931)  
contains.

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# Color

**XYZ(71.1759, 80.3109,  
14.4395)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEA2F
RGB	255, 234, 47
RGB Percent	100%, 92%, 18%
CMY	0.0000, 0.0823, 0.8157
CMYK	0.00, 0.08, 0.82, 0.00
HSL	54°, 100%, 59%
HSV	54°, 82%, 100%
XYZ	71.1759, 80.3109, 14.4395
YIQ	218.9610, 72.5430, -53.7050

# Conversions

## Conversions Part 2

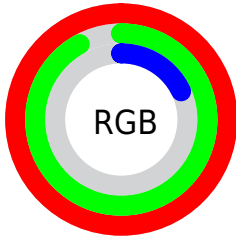
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 255, 47
Decimal	16771631
CIELab	91.82, -10.71, 83.91
CIELCh	92, 84.594, 97.275
Yxy	80.3109, 0.4290, 0.4840
Android (android.graphics.Color)	4294961711 (0xFFFEA2F)
YUV	218.9610, -84.7768, 31.6062
Hunter-Lab	89.6163, -15.0587, 53.1783

# Details

The XYZ color **71.1759, 80.3109, 14.4395** 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 **21.2898, 11.9589, 95.7932**, and the grayscale version is **67.8418, 71.3749, 77.7272**.

A 20% lighter version of the original color is **79.8692, 93.9277, 28.9592**, and **38.3682, 43.7095, 6.4146** is the 20% darker color. If you saturate the color by 10%, you get **70.0771, 78.7105, 12.2337**, and if you desaturate by 10%, it is **72.5889, 82.0602, 18.2317**.

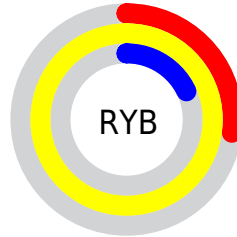
# Distribution



Red (100%)

Green (92%)

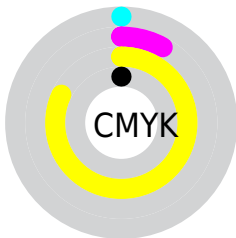
Blue (18%)



Red (27%)

Yellow (100%)

Blue (18%)

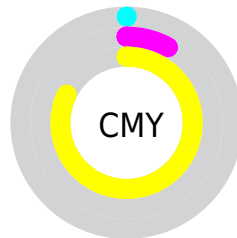


Cyan (0%)

Magenta (8%)

Yellow (82%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1759, 80.3109, 14.4395 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 71.1759, 80.3109, 14.4395 by changing the saturation by 10% instead.





 71.1759, 80.3109,  
14.4395

 71.1759, 80.3109,  
14.4395


453.8704,  
495.9800, 231.4708

 52.7688, 59.9742,  
8.2847


 119.9013,  
133.8028, 34.5951

 37.8450, 43.3979,  
4.1873


 150.9503,  
167.7267, 49.4331


 26.0391, 30.1974,  
1.7287


 186.9440,  
206.9486, 68.0025

 16.9857, 19.9885,  
0.3803

 228.2478,  
251.8527, 90.7220

 10.3195, 12.3867,  
0.0000

 275.2270,  
302.8235, 118.0100

 5.6752, 7.0076,  
0.0000

328.2469,

 2.6874, 3.4668,

360.2454, 150.2851

0.0000

387.6729,  
424.5028, 187.9659

■ 0.9907, 1.3800,  
0.0000

■ 0.0000, 0.2019,  
0.0000

■ 71.1759, 80.3109,  
14.4395

■ 71.1759, 80.3109,  
14.4395

■ 70.0771, 78.7105,  
12.2337


■ 72.5889, 82.0602,  
18.2317


■ 69.3316, 77.4438,  
11.2940

■ 74.3564, 83.9652,  
23.8454


■ 76.5180, 86.0451,  
31.4818

■ 79.1067, 88.3131,  
41.3142

 82.1520, 90.7810,  
53.4975

 85.6806, 93.4596,  
68.1725

 89.7173, 96.3589,  
85.4689

 94.2849, 99.4881,  
105.5075

 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.



93.5942, 80.3109, 17.0867



71.1759, 80.3109, 14.4395



53.7697, 80.3109, 22.6987

# Triad

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



71.1759, 80.3109, 14.4395



47.7373, 80.3109, 181.4960



121.5946, 80.3109, 142.1424

# Complementary

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



71.1759, 80.3109, 14.4395



21.2898, 11.9589, 95.7932

# 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.



104.4620, 80.3109, 220.9824



71.1759, 80.3109, 14.4395



61.3365, 80.3109, 250.2294

# Square

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



71.1759, 80.3109, 14.4395



42.0028, 80.3109, 103.4481



81.7336, 80.3109, 267.3480



125.5937, 80.3109, 73.1836



# Rectangle

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



71.1759, 80.3109, 14.4395



46.3629, 80.3109, 37.4840



81.7336, 80.3109, 267.3480



117.0422, 80.3109, 169.1572

# Sweetspot

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



71.1777, 80.3147, 14.4411



84.7762, 92.7882, 64.3630



43.4027, 23.7521, 8.3046



17.8736, 19.6549, 12.6422



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.



71.1777, 80.3147, 14.4411



69.5030, 77.7413, 11.4888



54.0128, 80.8699, 15.4530



19.3953, 20.7589, 19.1289



36.2913, 40.5938, 5.9226



3.5769, 4.0392, 0.5911



# Inverse Universe

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



21.2898, 11.9589, 95.7932



18.5863, 8.1978, 95.2105



27.7802, 13.7457, 95.7960



17.1505, 17.6726, 22.7572



9.6695, 4.2487, 49.7450



0.9882, 0.5070, 4.8591



# Previews

## White Background



This preview shows how the XYZ color 71.1759, 80.3109, 14.4395 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

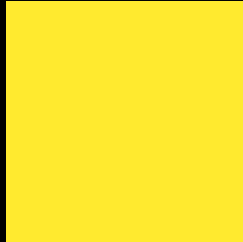
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.1759, 80.3109, 14.4395 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 71.1759, 80.3109, 14.4395**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.1759, 80.3109, 14.4395.



This preview shows how white text looks on a background with the XYZ color 71.1759, 80.3109,



# 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

71.1759, 80.3109, 14.4395

### Protanopia

73.3075, 80.2576, 28.4572

### Deuteranopia

78.1131, 79.9598, 60.6070



## Tritanopia

82.4790, 79.9759, 88.9317

# Trichromacy



## Original Color

71.1759, 80.3109, 14.4395



## Protanomaly

72.3107, 80.3105, 21.8155



## Deuteranomaly

74.1970, 79.7177, 35.9026



## Tritanomaly

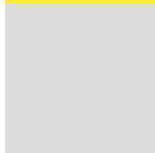
75.5920, 78.9513, 47.3314

# Monochromacy



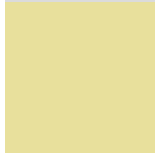
## Original Color

71.1759, 80.3109, 14.4395



## Achromatopsia

67.3311, 70.8376, 77.1421



## Achromatomaly

65.9351, 72.8674, 42.0422

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.1759, 80.3109, 14.4395 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, 234, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 47)  
}
```

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, 234, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 47) }
```

## Border

The CSS property to change the border of an element to XYZ 71.1759, 80.3109, 14.4395 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, 234, 47) }
```



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

```
.border{ border-color:rgb(255, 234, 47) }
```

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

Here you see how a box with a 4 pixel rgb(255, 234, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
47) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.1759, 80.3109, 14.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 47) }
```

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

```
.background{ background-color: rgb(255,  
234, 47) }
```

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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