

# Converting Colors

XYZ(71.4047, 83.1134, 28.2222)

Have a look what the booklet for  
XYZ(71.4047, 83.1134, 28.2222)  
contains.

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# **Color**

**XYZ(71.4547, 83.1802,  
28.2089)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F172
RGB	243, 241, 114
RGB Percent	95%, 95%, 45%
CMY	0.0471, 0.0549, 0.5529
CMYK	0.00, 0.01, 0.53, 0.05
HSL	59°, 84%, 70%
HSV	59°, 53%, 95%
XYZ	71.4547, 83.1802, 28.2089
YIQ	227.1200, 41.9590, -39.0730

# Conversions

## Conversions Part 2

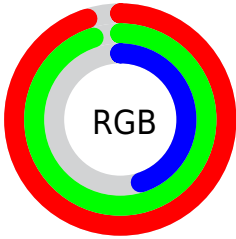
Format	Color
<a href="#">RYB</a>	<a href="#">116, 243, 114</a>
Decimal	<a href="#">15987058</a>
CIELab	<a href="#">93.09, -15.59, 60.59</a>
CIELCh	<a href="#">93, 62.567, 104.428</a>
Yxy	<a href="#">83.1802, 0.3908, 0.4549</a>
Android (android.graphics.Color)	<a href="#">4294177138</a> ( <a href="#">0xFFFF3F172</a> )
YUV	<a href="#">227.1200, -55.7682, 13.9268</a>
Hunter-Lab	<a href="#">91.2032, -19.7567, 45.5040</a>

# Details

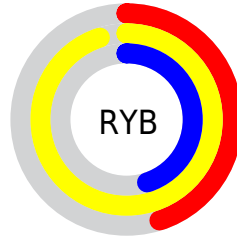
The XYZ color **71.4547, 83.1802, 28.2089** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **29.3625, 22.5387, 87.5965**, and the grayscale version is **73.4746, 77.3010, 84.1808**.

A 20% lighter version of the original color is **84.1614, 95.6446, 51.5616**, and **37.9317, 45.2145, 11.0030** is the 20% darker color. If you saturate the color by 10%, you get **70.1411, 82.4801, 21.8303**, and if you desaturate by 10%, it is **73.1399, 84.0353, 36.5257**.

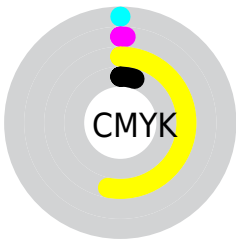
# Distribution



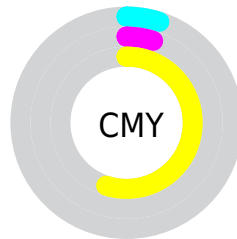
- Red (95%)
- Green (95%)
- Blue (45%)



- Red (45%)
- Yellow (95%)
- Blue (45%)



- Cyan (0%)
- Magenta (1%)
- Yellow (53%)
- Black (5%)




- Cyan (5%)
- Magenta (5%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4547, 83.1802, 28.2089 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 71.4547, 83.1802, 28.2089 by changing the saturation by 10% instead.




 71.4547, 83.1802,  
28.2089


 71.4547, 83.1802,  
28.2089


454.8285,  
505.5869, 307.4071


 52.9972, 62.3388,  
18.2428


 120.2959,  
137.8278, 57.8449

 38.0280, 45.3065,  
10.9532


 151.4104,  
172.4028, 78.3519

 26.1817, 31.6989,  
5.9216


 187.4746,  
212.3245, 103.2095

 17.0931, 21.1316,  
2.7294

228.8538,  
257.9773, 132.8364

 10.3966, 13.2203,  
0.9582

275.9135,  
309.7455, 167.6510

 5.7270, 7.5804,  
0.0000

329.0189,

 2.7188, 3.8276,

368.0136, 208.0720

0.0000

388.5355,  
433.1659, 254.5178

■ 1.0069, 1.5776,  
0.0000

■ 0.0000, 0.3424,  
0.0000

■ 71.4547, 83.1802,  
28.2089

■ 71.4547, 83.1802,  
28.2089

■ 70.1411, 82.4801,  
21.8303

■ 73.1399, 84.0353,  
36.5257

■ 69.1633, 81.9117,  
17.2278


■ 75.2173, 85.0447,  
46.9152


■ 68.4889, 81.4651,  
14.2219


■ 77.7130, 86.2217,  
59.5061


■ 68.0761, 81.1234,  
12.5927


■ 80.6490, 87.5752,  
74.4148


 67.9003, 80.9312,  
12.0426

 84.0460, 89.1135,  
91.7500

 87.1402, 90.5310,  
107.4892

 87.2528, 90.7563,  
107.5267

 87.3657, 90.9820,  
107.5644

 87.4788, 91.2082,  
107.6021

# Harmonies

## Analogous

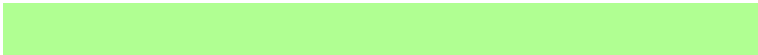
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8380, 83.1802, 28.4239



71.4547, 83.1802, 28.2089



58.9627, 83.1802, 40.1441

# Triad

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



71.4547, 83.1802, 28.2089



58.5973, 83.1802, 169.7127



113.5231, 83.1802, 117.0618

# Complementary

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



71.4547, 83.1802, 28.2089



29.3625, 22.5387, 87.5965

# 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.



103.2731, 83.1802, 171.6579



71.4547, 83.1802, 28.2089



70.8877, 83.1802, 208.5095

# Square

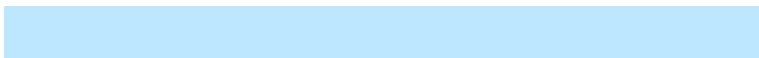
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.4547, 83.1802, 28.2089



52.2666, 83.1802, 115.0074



87.1873, 83.1802, 209.3242



113.7306, 83.1802, 69.8639



# Rectangle

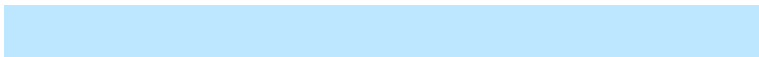
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.4547, 83.1802, 28.2089



53.8733, 83.1802, 56.8907



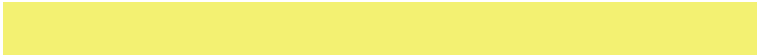
87.1873, 83.1802, 209.3242



111.0807, 83.1802, 135.4500

# Sweetspot

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



71.4567, 83.1840, 28.2106



88.9624, 97.2437, 77.8334



46.1410, 32.3546, 20.3830



18.8947, 20.7466, 15.9131



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.



71.4567, 83.1840, 28.2106



78.1239, 91.9510, 23.7102



54.0623, 75.0976, 27.5666



17.8915, 19.2670, 17.5735



37.2762, 44.4380, 6.6127



3.2831, 3.9195, 0.5835



# Inverse Universe

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



29.3625, 22.5387, 87.5965



26.4750, 17.5477, 96.5994



40.1794, 27.7776, 88.0376



15.6017, 15.9677, 20.8023



8.9101, 3.6140, 46.7660

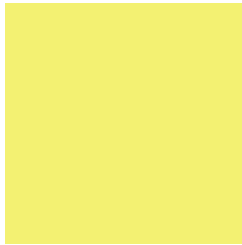


0.7902, 0.3318, 4.1126



# Previews

## White Background



This preview shows how the XYZ color 71.4547, 83.1802, 28.2089 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

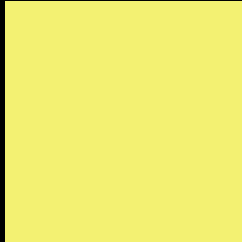
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.4547, 83.1802, 28.2089 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 71.4547, 83.1802, 28.2089**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.4547, 83.1802, 28.2089.



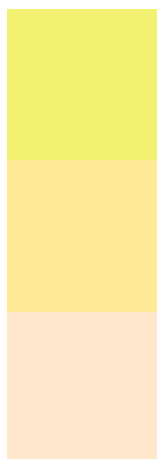
This preview shows how white text looks on a background with the XYZ color 71.4547, 83.1802,



# 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

71.4547, 83.1802, 28.2089

### Protanopia

76.4534, 82.8787, 40.8218

### Deuteranopia

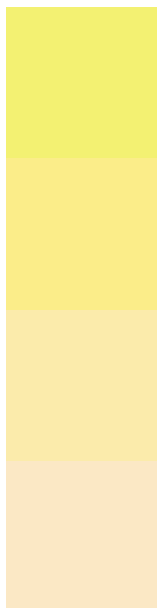
80.7150, 82.7715, 68.8491



## Tritanopia

85.0382, 82.7298, 97.0744

# Trichromacy



## Original Color

71.4547, 83.1802, 28.2089

## Protanomaly

74.5832, 82.8837, 35.7341

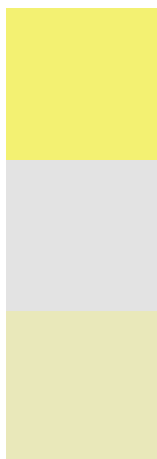
## Deuteranomaly

76.8427, 82.8662, 50.4728

## Tritanomaly

78.7183, 82.2537, 64.5510

# Monochromacy



## Original Color

71.4547, 83.1802, 28.2089

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

71.3238, 78.5820, 57.8631

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.4547, 83.1802, 28.2089 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(243, 241, 114)` looks like.

```
.text, #text, p{  
    color:rgb(243, 241, 114)  
}
```

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(243, 241, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 241, 114) }
```

## Border

The CSS property to change the border of an element to XYZ 71.4547, 83.1802, 28.2089 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(243, 241, 114) }
```



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

```
.border{ border-color:rgb(243, 241, 114) }
```

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

Here you see how a box with a 4 pixel rgb(243, 241, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 241, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 241, 114);  
box-shadow:4px 4px 4px 4px rgb(243, 241,  
114) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.4547, 83.1802, 28.2089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 241, 114) }
```

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

```
.background{ background-color: rgb(243,  
241, 114) }
```

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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