

# Converting Colors

XYZ(70.9520, 83.6507, 47.7117)

Have a look what the booklet for  
XYZ(70.9520, 83.6507, 47.7117)  
contains.

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# Color

**XYZ(71.0464, 83.8757,  
47.5670)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E4F4A4
RGB	228, 244, 164
RGB Percent	89%, 96%, 64%
CMY	0.1059, 0.0431, 0.3569
CMYK	0.07, 0.00, 0.33, 0.04
HSL	72°, 78%, 80%
HSV	72°, 33%, 96%
XYZ	71.0464, 83.8757, 47.5670
YIQ	230.0960, 16.1440, -28.2720

# Conversions

## Conversions Part 2

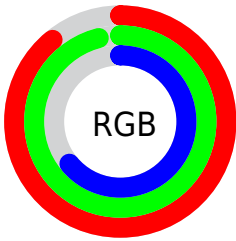
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">164, 244, 180</a>
Decimal	<a href="#">15004836</a>
CIELab	<a href="#">93.40, -17.76, 36.86</a>
CIElCh	<a href="#">93, 40.916, 115.732</a>
Yxy	<a href="#">83.8757, 0.3509, 0.4142</a>
Android (android.graphics.Color)	<a href="#">4293194916 (0xFFE4F4A4)</a>
YUV	<a href="#">230.0960, -32.5853, -1.8382</a>
Hunter-Lab	<a href="#">91.5837, -21.7994, 33.3144</a>

# Details

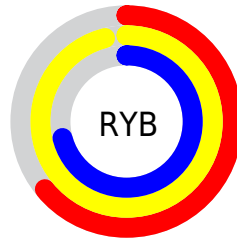
The XYZ color **71.0464, 83.8757, 47.5670** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.4303, 42.7881, 91.2991**, and the grayscale version is **75.5120, 79.4445, 86.5150**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **37.8657, 45.8848, 21.8998** is the 20% darker color. If you saturate the color by 10%, you get **67.5247, 82.2935, 36.9826**, and if you desaturate by 10%, it is **75.0388, 85.6570, 60.3835**.

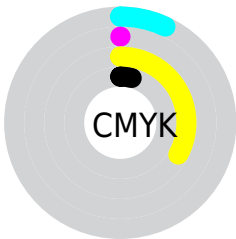
# Distribution



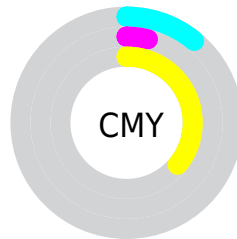
- Red (89%)
- Green (96%)
- Blue (64%)



- Red (64%)
- Yellow (96%)
- Blue (71%)



- Cyan (7%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)




- Cyan (11%)
- Magenta (4%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0464, 83.8757, 47.5670 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 71.0464, 83.8757, 47.5670 by changing the saturation by 10% instead.





 71.0464, 83.8757,  
47.5670


 71.0464, 83.8757,  
47.5670


453.4249,  
507.9004, 393.5323

 52.6627, 62.9128,  
33.1266


 119.7179,  
138.8013, 87.9182

 37.7600, 45.7707,  
21.9515


 150.7365,  
173.5328, 114.6660

 25.9728, 32.0649,  
13.6233


186.6975,  
213.6226, 146.3534

 16.9359, 21.4111,  
7.7234

227.9661,  
259.4551, 183.3988

 10.2838, 13.4248,  
3.8332

274.9078,  
311.4148, 226.2209

 5.6512, 7.7217,  
1.5343

327.8880,

 2.6728, 3.9174,

369.8859, 275.2382

0.2433

387.2719,  
435.2530, 330.8691

■ 0.9832, 1.6275,  
0.0000

■ 0.0000, 0.3760,  
0.0000

■ 71.0464, 83.8757,  
47.5670

■ 71.0464, 83.8757,  
47.5670

■ 67.5247, 82.2935,  
36.9826

■ 75.0388, 85.6570,  
60.3835

■ 64.4429, 80.8894,  
28.4971

■ 79.5184, 87.6354,  
75.5444

■ 61.7759, 79.6562,  
21.9717

■ 84.5083, 89.8230,  
93.1608

■ 59.4934, 78.5817,  
17.2485

■ 88.9464, 91.7951,  
107.6380

■ 57.5605, 77.6519,  
14.1450

■ 90.6955, 92.6968,  
107.7199

■ 55.9347, 76.8499,  
12.4406

■ 91.6425, 93.1850,  
107.7642

■ 54.9071, 76.3323,  
11.8397

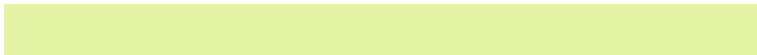
# Harmonies

## Analogous

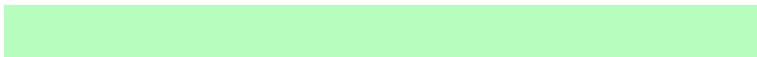
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.2758, 83.8757, 43.9538



71.0464, 83.8757, 47.5670



63.7714, 83.8757, 61.7822

# Triad

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



71.0464, 83.8757, 47.5670



68.5978, 83.8757, 149.7756



102.2591, 83.8757, 95.8213

# Complementary

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



71.0464, 83.8757, 47.5670



48.4303, 42.7881, 91.2991

# Split Complementary

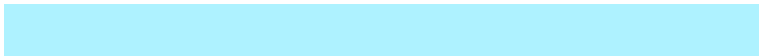
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.1310, 83.8757, 129.0459



71.0464, 83.8757, 47.5670



78.1868, 83.8757, 164.3425

# Square

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



71.0464, 83.8757, 47.5670



62.4497, 83.8757, 119.6373



89.0752, 83.8757, 156.0115



99.9156, 83.8757, 67.8761

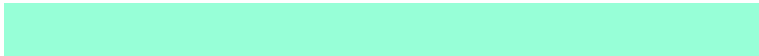


# Rectangle

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



71.0464, 83.8757, 47.5670



61.2526, 83.8757, 77.4475



89.0752, 83.8757, 156.0115



101.5728, 83.8757, 106.7715

# Sweetspot

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



71.0485, 83.8794, 47.5688



89.3607, 97.5103, 88.6069



60.3333, 54.5584, 42.4740



18.9657, 20.8004, 18.4030



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

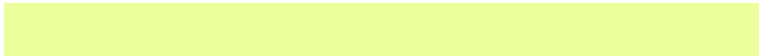


# Same Dimension

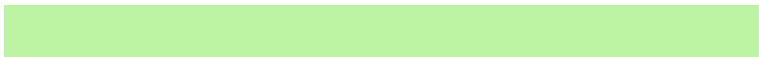
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.0485, 83.8794, 47.5688



76.0179, 91.5849, 44.9242



59.7935, 78.0772, 47.0421



17.5709, 19.1364, 17.5652



29.9682, 41.5620, 6.4428



2.7145, 3.6944, 0.5700



# Inverse Universe

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



48.4303, 42.7881, 91.2991



47.6427, 40.0119, 99.8198



59.1226, 48.3002, 91.7995



15.8907, 16.0863, 20.8100



9.6505, 3.9494, 46.7917



0.9283, 0.3884, 4.1163



# Previews

## White Background



This preview shows how the XYZ color 71.0464, 83.8757, 47.5670 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

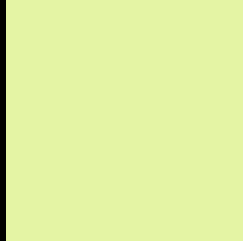
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0464, 83.8757, 47.5670 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

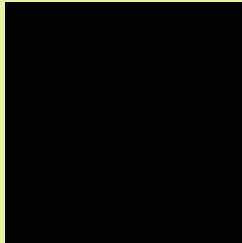
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 71.0464, 83.8757, 47.5670**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.0464, 83.8757, 47.5670.



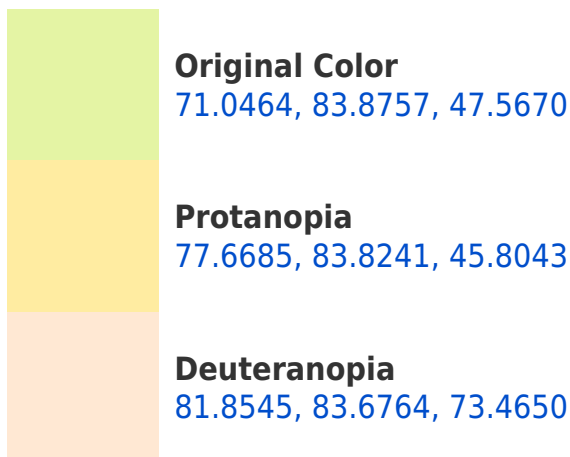
This preview shows how white text looks on a background with the XYZ color 71.0464, 83.8757,



# 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





## Tritanopia

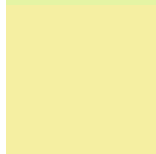
82.1481, 83.5936, 103.0723

# Trichromacy



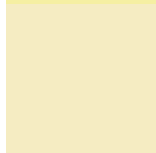
## Original Color

71.0464, 83.8757, 47.5670



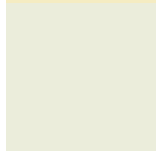
## Protanomaly

75.0443, 83.7541, 46.3933



## Deuteranomaly

77.3892, 83.2984, 63.0383



## Tritanomaly

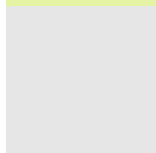
77.3313, 83.3450, 79.0292

# Monochromacy



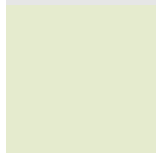
## Original Color

71.0464, 83.8757, 47.5670



## Achromatopsia

75.2129, 79.1298, 86.1723



## Achromatomaly

73.1620, 80.5309, 70.0805

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0464, 83.8757, 47.5670 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(228, 244, 164)` looks like.

```
.text, #text, p{  
    color:rgb(228, 244, 164)  
}
```

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(228, 244, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 244, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0464, 83.8757, 47.5670 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(228, 244, 164) }
```



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

```
.border{ border-color:rgb(228, 244, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 244, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 244, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 244, 164); box-shadow:4px 4px 4px 4px rgb(228, 244, 164) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0464, 83.8757, 47.5670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 244, 164) }
```

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

```
.background{ background-color: rgb(228,  
244, 164) }
```

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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