

# Converting Colors

XYZ(74.3608, 83.5600, 51.2401)

Have a look what the booklet for  
XYZ(74.3608, 83.5600, 51.2401)  
contains.

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# Color

**XYZ(74.5417, 83.8240,  
51.2806)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0F0AC
RGB	240, 240, 172
RGB Percent	94%, 94%, 67%
CMY	0.0588, 0.0588, 0.3255
CMYK	0.00, 0.00, 0.28, 0.06
HSL	60°, 69%, 81%
HSV	60°, 28%, 94%
XYZ	74.5417, 83.8240, 51.2806
YIQ	232.2480, 21.8280, -21.1480

# Conversions

## Conversions Part 2

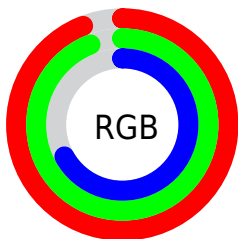
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 240, 172
Decimal	15790252
CIE <sub>Lab</sub>	93.37, -10.34, 32.97
CIE <sub>LCh</sub>	93, 34.554, 107.420
Yxy	83.8240, 0.3556, 0.3998
Android (android.graphics.Color)	4293980332 (0xFFFF0F0AC)
YUV	232.2480, -29.7023, 6.7985
Hunter-Lab	91.5554, -14.8927, 30.8802

# Details

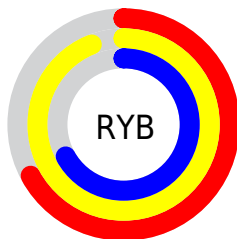
The XYZ color **74.5417, 83.8240, 51.2806** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **47.4970, 44.5691, 88.5422**, and the grayscale version is **77.0935, 81.1083, 88.3270**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **39.9987, 45.6802, 24.1618** is the 20% darker color. If you saturate the color by 10%, you get **72.4420, 82.9869, 40.2176**, and if you desaturate by 10%, it is **77.0620, 84.8351, 64.5395**.

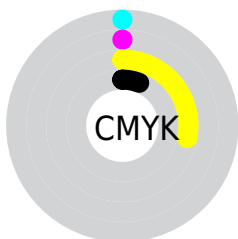
# Distribution



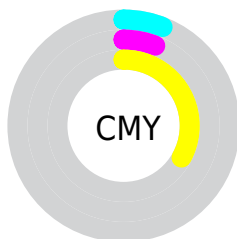
- Red (94%)
- Green (94%)
- Blue (67%)



- Red (67%)
- Yellow (94%)
- Blue (67%)



- Cyan (0%)
- Magenta (0%)
- Yellow (28%)
- Black (6%)



- Cyan (6%)
- Magenta (6%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.5417, 83.8240, 51.2806 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 74.5417, 83.8240, 51.2806 by changing the saturation by 10% instead.



■ 74.5417, 83.8240,  
51.2806

■ 74.5417, 83.8240,  
51.2806

465.3623,  
507.7286, 408.5306

■ 55.5304, 62.8701,  
36.0537

■ 124.6548,  
138.7290, 93.4852

■ 40.0620, 45.7362,  
24.1856

156.4873,  
173.4488, 121.2999

■ 27.7713, 32.0377,  
15.2579

193.3241,  
213.5262, 154.1476

■ 18.2929, 21.3903,  
8.8520

235.5308,  
259.3454, 192.4470

■ 11.2615, 13.4096,  
4.5493

283.4726,  
311.2908, 236.6164

■ 6.3116, 7.7112,  
1.9312

337.5149,

■ 3.0779, 3.9107,

369.7469, 287.0744

0.5125

398.0230,  
435.0980, 344.2397

■ 1.1951, 1.6237,  
0.0000

■ 0.1025, 0.3735,  
0.0000

■ 74.5417, 83.8240,  
51.2806

■ 74.5417, 83.8240,  
51.2806

■ 72.4420, 82.9869,  
40.2176

■ 77.0620, 84.8351,  
64.5395

■ 70.7340, 82.3037,  
31.2272

■ 80.0173, 86.0173,  
80.0982


■ 69.3954, 81.7682,  
24.1820


■ 83.4290, 87.3821,  
98.0605


■ 68.3990, 81.3695,  
18.9383


■ 85.1499, 88.0705,  
107.1192


 67.7136, 81.0953,  
15.3328


 85.1506, 88.0709,  
107.1192


 67.3027, 80.9308,  
13.1725


 85.1513, 88.0712,  
107.1192

 67.1144, 80.8554,  
12.1842

 85.1520, 88.0716,  
107.1193

 67.0923, 80.8466,  
12.0688

 85.1527, 88.0719,  
107.1193

 85.1533, 88.0723,  
107.1193

# Harmonies

## Analogous

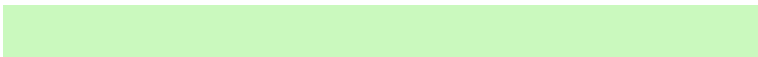
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5490, 83.8240, 50.5374



74.5417, 83.8240, 51.2806



67.4562, 83.8240, 61.3576

# Triad

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



74.5417, 83.8240, 51.2806



68.3969, 83.8240, 133.4227



98.0227, 83.8240, 102.6394

# Complementary

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



74.5417, 83.8240, 51.2806



47.4970, 44.5691, 88.5422

# Split Complementary

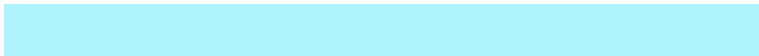
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.2806, 83.8240, 129.6003



74.5417, 83.8240, 51.2806



75.9172, 83.8240, 149.5175

# Square

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



74.5417, 83.8240, 51.2806



64.0987, 83.8240, 107.1297



85.0329, 83.8240, 147.9986



97.5837, 83.8240, 77.0585

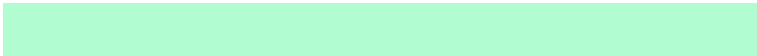


# Rectangle

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



74.5417, 83.8240, 51.2806



64.5664, 83.8240, 73.3291



85.0329, 83.8240, 147.9986



96.9675, 83.8240, 111.9219

# Sweetspot

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



74.5438, 83.8278, 51.2824



91.5719, 98.6087, 90.5882



58.1368, 51.0109, 45.8128



19.4884, 21.0616, 18.8015



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

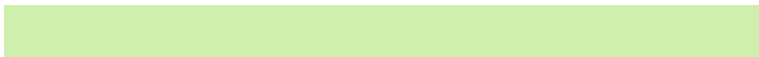
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.5438, 83.8278, 51.2824



84.0932, 95.6170, 51.2162



64.0633, 78.4248, 50.7919



17.1228, 18.4590, 16.8102



36.7253, 44.2542, 6.6063



3.0552, 3.6816, 0.5496



# Inverse Universe

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



47.4970, 44.5691, 88.5422



48.3220, 43.6948, 100.4948



55.9368, 48.9200, 88.9371



14.8975, 15.2288, 19.8759



8.6100, 3.4440, 45.3388

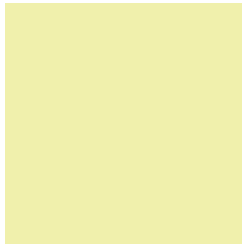


0.7163, 0.2865, 3.7718



# Previews

## White Background



This preview shows how the XYZ color 74.5417, 83.8240, 51.2806 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

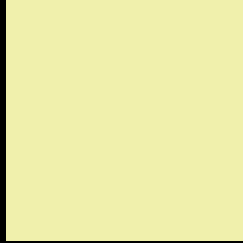
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.5417, 83.8240, 51.2806 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

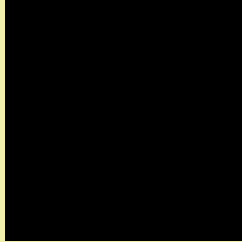
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 74.5417, 83.8240, 51.2806**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.5417, 83.8240, 51.2806.



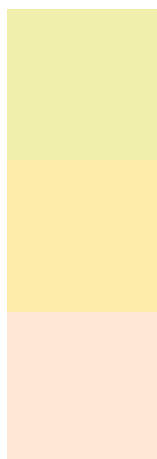
This preview shows how white text looks on a background with the XYZ color 74.5417, 83.8240,

51.2806.

# 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

74.5417, 83.8240, 51.2806

### Protanopia

78.1242, 83.9640, 50.1193

### Deuteranopia

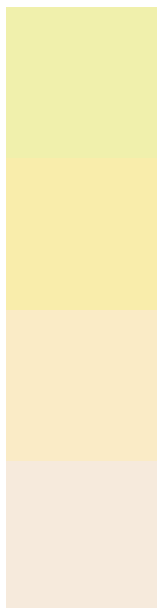
82.1069, 83.7773, 74.7939



## Tritanopia

84.6644, 83.6949, 100.4994

# Trichromacy



## Original Color

74.5417, 83.8240, 51.2806

## Protanomaly

76.7018, 83.6484, 50.6312

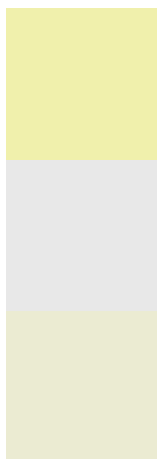
## Deuteranomaly

79.3257, 83.8179, 65.4236

## Tritanomaly

80.3471, 83.6058, 79.6129

# Monochromacy



## Original Color

74.5417, 83.8240, 51.2806

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.6021, 81.7320, 72.7640

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.5417, 83.8240, 51.2806 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(240, 240, 172)` looks like.

```
.text, #text, p{  
    color:rgb(240, 240, 172)  
}
```

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(240, 240, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 240, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 74.5417, 83.8240, 51.2806 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(240, 240, 172) }
```



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

```
.border{ border-color:rgb(240, 240, 172) }
```

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

Here you see how a box with a 4 pixel rgb(240, 240, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 240, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 240, 172);  
box-shadow:4px 4px 4px 4px rgb(240, 240,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.5417, 83.8240, 51.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 240, 172) }
```

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

```
.background{ background-color: rgb(240,  
240, 172) }
```

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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