

# Converting Colors

XYZ(73.5279, 84.2908, 51.4229)

Have a look what the booklet for  
XYZ(73.5279, 84.2908, 51.4229)  
contains.

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# Color

**XYZ(73.4595, 84.1450,  
51.3996)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EBF2AC
RGB	235, 242, 172
RGB Percent	92%, 95%, 67%
CMY	0.0784, 0.0510, 0.3255
CMYK	0.03, 0.00, 0.29, 0.05
HSL	66°, 73%, 81%
HSV	66°, 29%, 95%
XYZ	73.4595, 84.1450, 51.3996
YIQ	231.9270, 18.2980, -23.2540

# Conversions

## Conversions Part 2

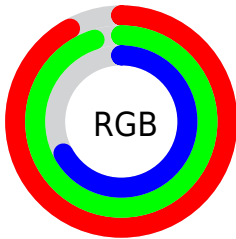
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	172, 242, 179
Decimal	15463084
CIE <sub>Lab</sub>	93.51, -13.19, 33.09
CIE <sub>LCh</sub>	94, 35.621, 111.730
Yxy	84.1450, 0.3515, 0.4026
Android (android.graphics.Color)	4293653164 (0xFFEBF2AC)
YUV	231.9270, -29.5440, 2.6950
Hunter-Lab	91.7306, -17.5825, 30.9893

# Details

The XYZ color **73.4595, 84.1450, 51.3996** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **49.3731, 45.5018, 90.1897**, and the grayscale version is **76.8535, 80.8559, 88.0520**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **39.2488, 45.9147, 24.2466** is the 20% darker color. If you saturate the color by 10%, you get **70.5504, 82.8925, 40.2162**, and if you desaturate by 10%, it is **76.8071, 85.5800, 64.8161**.

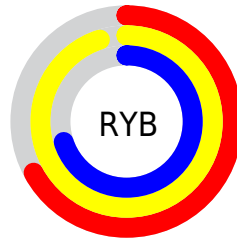
# Distribution



Red (92%)

Green (95%)

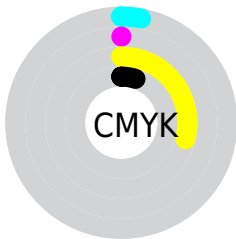
Blue (67%)



Red (67%)

Yellow (95%)

Blue (70%)

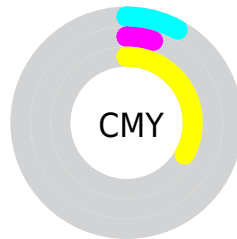


Cyan (3%)

Magenta (0%)

Yellow (29%)

Black (5%)



Cyan (8%)

Magenta (5%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.4595, 84.1450, 51.3996 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 73.4595, 84.1450, 51.3996 by changing the saturation by 10% instead.



73.4595, 84.1450,  
51.3996

73.4595, 84.1450,  
51.3996

461.6850,  
508.7946, 409.0051

54.6415, 63.1352,  
36.1478

123.1289,  
139.1780, 93.6627

39.3475, 45.9506,  
24.2578

154.7111,  
173.9699, 121.5111

27.2121, 32.2068,  
15.3110

191.2786,  
214.1247, 154.3954

17.8700, 21.5195,  
8.8889

233.1969,  
260.0267, 192.7342

10.9558, 13.5043,  
4.5730

280.8314,  
312.0603, 236.9461

6.1042, 7.7767,  
1.9446

334.5473,

2.9498, 3.9524,

370.6098, 287.4495

0.5209

394.7100,  
436.0598, 344.6630

■ 1.1273, 1.6470,  
0.0000

■ 0.0478, 0.3890,  
0.0000

■ 73.4595, 84.1450,  
51.3996

■ 73.4595, 84.1450,  
51.3996

■ 70.5504, 82.8925,  
40.2162

■ 76.8071, 85.5800,  
64.8161

■ 68.0503, 81.8020,  
31.1395

■ 80.6080, 87.1946,  
80.5724

■ 65.9361, 80.8670,  
24.0387

■ 84.8843, 89.0007,  
98.7746

■ 64.1798, 80.0765,  
18.7662

■ 87.3513, 90.0843,  
107.3918

■ 62.7493, 79.4176,  
15.1538

■ 88.2005, 90.5220,  
107.4316

■ 61.6068, 78.8750,  
13.0021

■ 89.0607, 90.9655,  
107.4718

■ 60.6957, 78.4263,  
12.0134

■ 89.9320, 91.4147,  
107.5126

■ 60.6038, 78.3805,  
11.9348

■ 90.8146, 91.8696,  
107.5539

■ 91.0439, 91.9879,  
107.5646

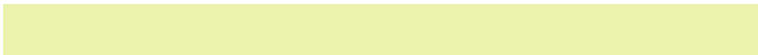
# Harmonies

## Analogous

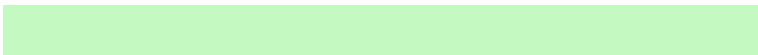
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6099, 84.1450, 49.2895



73.4595, 84.1450, 51.3996



66.5881, 84.1450, 63.1101

# Triad

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



73.4595, 84.1450, 51.3996



69.2793, 84.1450, 138.6569



99.2659, 84.1450, 99.2821

# Complementary

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



73.4595, 84.1450, 51.3996



49.3731, 45.5018, 90.1897

# 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.



95.0508, 84.1450, 127.6344



73.4595, 84.1450, 51.3996



77.4012, 84.1450, 153.1095

# Square

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



73.4595, 84.1450, 51.3996



64.3098, 84.1450, 112.1896



86.8697, 84.1450, 148.7223



98.0028, 84.1450, 73.7314

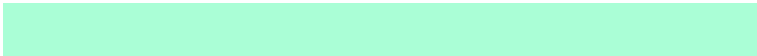


# Rectangle

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



73.4595, 84.1450, 51.3996



63.9870, 84.1450, 76.3065



86.8697, 84.1450, 148.7223



98.4316, 84.1450, 108.8555

# Sweetspot

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



73.4616, 84.1488, 51.4014



90.7327, 98.1760, 90.5489



60.1873, 54.0982, 46.3007



19.2800, 20.9542, 18.7918



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

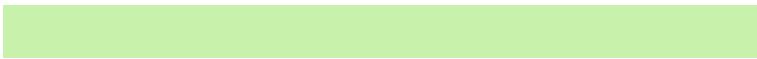
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.4616, 84.1488, 51.4014



80.6500, 93.8692, 49.8241



63.0210, 78.7664, 50.9128



16.9579, 18.3740, 16.8025



32.6216, 42.1386, 6.4142



2.7585, 3.5286, 0.5357



# Inverse Universe

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



49.3731, 45.5018, 90.1897



49.2487, 43.4788, 100.4043



58.5138, 50.2139, 90.6174



15.0440, 15.3044, 19.8827



8.8663, 3.5762, 45.3508

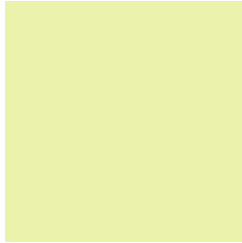


0.7865, 0.3227, 3.7751



# Previews

## White Background



This preview shows how the XYZ color 73.4595, 84.1450, 51.3996 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

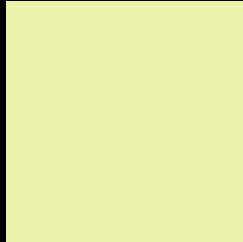
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.4595, 84.1450, 51.3996 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

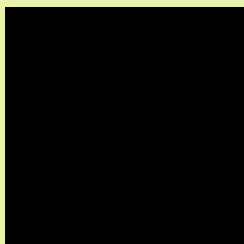
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

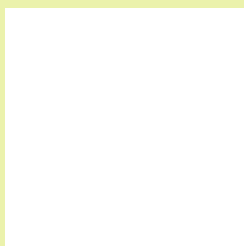
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 73.4595, 84.1450, 51.3996**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.4595, 84.1450, 51.3996.



This preview shows how white text looks on a background with the XYZ color 73.4595, 84.1450,

51.3996.

# 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

73.4595, 84.1450, 51.3996

### Protanopia

78.0299, 83.9263, 49.6229

### Deuteranopia

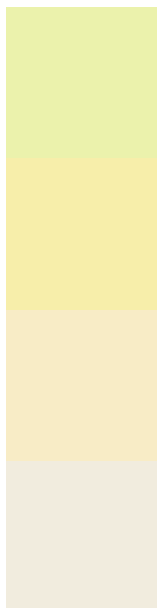
82.1069, 83.7773, 74.7939



## Tritanopia

83.7681, 84.0278, 102.2464

# Trichromacy



## Original Color

73.4595, 84.1450, 51.3996

## Protanomaly

76.1880, 83.8255, 50.1946

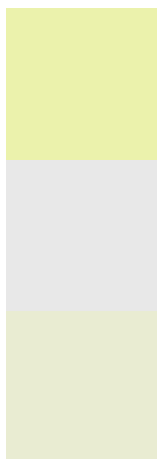
## Deuteranomaly

78.8999, 84.0246, 65.4860

## Tritanomaly

79.4559, 83.9656, 81.1264

# Monochromacy



## Original Color

73.4595, 84.1450, 51.3996

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

75.2326, 81.9677, 72.8289

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.4595, 84.1450, 51.3996 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(235, 242, 172)` looks like.

```
.text, #text, p{  
    color:rgb(235, 242, 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(235, 242, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 242, 172) }
```

## Border

The CSS property to change the border of an element to XYZ 73.4595, 84.1450, 51.3996 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(235, 242, 172) }
```



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

```
.border{ border-color:rgb(235, 242, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 242, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 242, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 242, 172);  
box-shadow:4px 4px 4px 4px rgb(235, 242,  
172) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.4595, 84.1450, 51.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 242, 172) }
```

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

```
.background{ background-color: rgb(235,  
242, 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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