

# Converting Colors

XYZ(53.7910, 66.8138, 44.7161)

Have a look what the booklet for  
XYZ(53.7910, 66.8138, 44.7161)  
contains.

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# Color

**XYZ(53.7858, 66.9339,  
44.7351)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAE1A3
RGB	186, 225, 163
RGB Percent	73%, 88%, 64%
CMY	0.2706, 0.1176, 0.3608
CMYK	0.17, 0.00, 0.28, 0.12
HSL	98°, 51%, 76%
HSV	98°, 28%, 88%
XYZ	53.7858, 66.9339, 44.7351
YIQ	206.2710, -3.3420, -27.5500

# Conversions

## Conversions Part 2

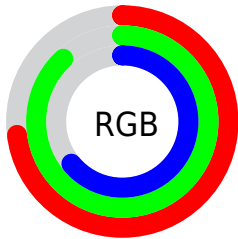
Format	Color
<a href="#">RYB</a>	<a href="#">163, 225, 202</a>
Decimal	<a href="#">12247459</a>
CIELab	<a href="#">85.47, -23.81, 26.27</a>
CIELCh	<a href="#">85, 35.449, 132.186</a>
Yxy	<a href="#">66.9339, 0.3251, 0.4045</a>
Android (android.graphics.Color)	<a href="#">4290437539</a> ( <a href="#">0xFFBAE1A3</a> )
YUV	<a href="#">206.2710, -21.3326, -17.7777</a>
Hunter-Lab	<a href="#">81.8131, -25.8231, 24.8497</a>

# Details

The XYZ color **53.7858, 66.9339, 44.7351** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.0478, 44.1891, 77.0766**, and the grayscale version is **58.9753, 62.0466, 67.5688**.

A 20% lighter version of the original color is **85.3770, 95.6366, 80.2895**, and **26.7597, 34.8027, 20.3461** is the 20% darker color. If you saturate the color by 10%, you get **48.6768, 64.5147, 34.8924**, and if you desaturate by 10%, it is **59.5976, 69.6780, 56.4857**.

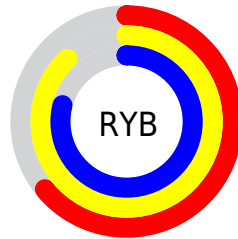
# Distribution



Red (73%)

Green (88%)

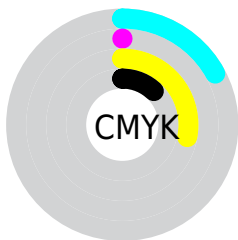
Blue (64%)



Red (64%)

Yellow (88%)

Blue (79%)

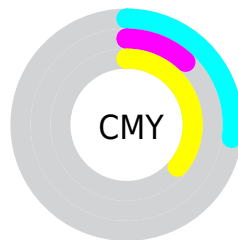


Cyan (17%)

Magenta (0%)

Yellow (28%)

Black (12%)



Cyan (27%)

Magenta (12%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7858, 66.9339, 44.7351 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 53.7858, 66.9339, 44.7351 by changing the saturation by 10% instead.



■ 53.7858, 66.9339,  
44.7351

■ 53.7858, 66.9339,  
44.7351

391.5044,  
449.7095, 381.8284

■ 38.6604, 49.0309,  
30.9074

■ 94.9184, 114.8257,  
83.6370

■ 26.6752, 34.6440,  
20.2705

■ 121.6563,  
145.5833, 109.5483

■ 17.4648, 23.3888,  
12.4058

152.9959,  
181.3945, 140.3245

■ 10.6638, 14.8808,  
6.8948

189.3023,  
222.6438, 176.3841

■ 5.9068, 8.7358,  
3.3189

230.9410,  
269.7156, 218.1458

■ 2.8286, 4.5693,  
1.2597

278.2773,

■ 1.0638, 1.9968,

322.9942, 266.0281

0.0284

331.6767,  
382.8640, 320.4495

0.0000, 0.6056,  
0.0000

0.0000, 0.0000,  
0.0000

53.7858, 66.9339,  
44.7351

53.7858, 66.9339,  
44.7351

48.6768, 64.5147,  
34.8924

59.5976, 69.6780,  
56.4857

44.2367, 62.3991,  
26.8526

66.1342, 72.7502,  
70.2331

40.4360, 60.5763,  
20.5074

73.4227, 76.1647,  
86.0658

37.2407, 59.0314,  
15.7348

81.4875, 79.9322,  
104.0656

■ 34.6135, 57.7481,  
12.3966

■ 86.2166, 82.3332,  
105.9555

■ 32.5113, 56.7080,  
10.3308

■ 30.8797, 55.8876,  
9.3178

■ 30.5346, 55.7132,  
9.1444

# Harmonies

## Analogous

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



60.4090, 66.9339, 37.5864



53.7858, 66.9339, 44.7351



49.9986, 66.9339, 60.1491

# Triad

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



53.7858, 66.9339, 44.7351



59.0026, 66.9339, 123.7173



79.9686, 66.9339, 63.9225

# Complementary

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



53.7858, 66.9339, 44.7351



51.0478, 44.1891, 77.0766

# 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.



79.5116, 66.9339, 87.2904



53.7858, 66.9339, 44.7351



66.9401, 66.9339, 125.3264

# Square

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



53.7858, 66.9339, 44.7351



52.8312, 66.9339, 106.8619



74.5823, 66.9339, 110.8813



75.7829, 66.9339, 46.9937



# Rectangle

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



53.7858, 66.9339, 44.7351



49.3791, 66.9339, 74.5825



74.5823, 66.9339, 110.8813



80.3621, 66.9339, 71.2029

# Sweetspot

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



53.7875, 66.9368, 44.7366



87.3729, 96.4019, 92.2970



58.6060, 60.5368, 43.2473



18.4080, 20.4962, 19.1303



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

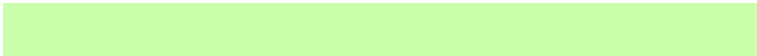


# Same Dimension

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



53.7875, 66.9368, 44.7366



67.4707, 87.0200, 51.6936



49.3093, 64.5511, 48.0080



14.0066, 15.5836, 14.5765



17.7131, 32.1639, 5.2747



1.3244, 2.2792, 0.3701



# Inverse Universe

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



51.0478, 44.1891, 77.0766



63.2589, 52.1024, 101.3304



56.7755, 47.2535, 72.3014



13.7765, 13.6683, 17.2998



14.3475, 6.4917, 41.5452



1.0923, 0.5004, 2.8843



# Previews

## White Background



This preview shows how the XYZ color 53.7858, 66.9339, 44.7351 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

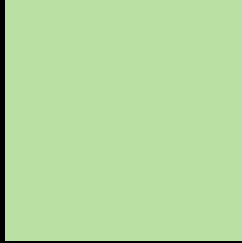
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.7858, 66.9339, 44.7351 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

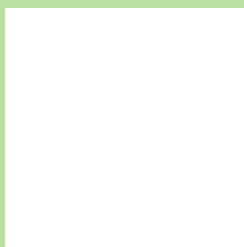
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.7858, 66.9339, 44.7351**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.7858, 66.9339, 44.7351.



This preview shows how white text looks on a background with the XYZ color 53.7858, 66.9339,



# 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

53.7858, 66.9339, 44.7351

### Protanopia

62.2789, 66.7151, 41.9426

### Deuteranopia

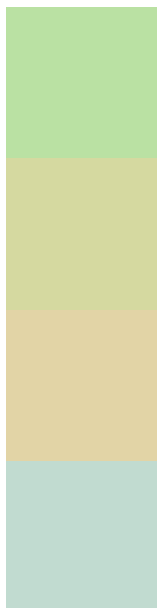
67.8733, 66.5924, 45.8355



## Tritanopia

62.2898, 66.8652, 86.7141

# Trichromacy



## Original Color

53.7858, 66.9339, 44.7351

## Protanomaly

58.5986, 66.3099, 42.9683

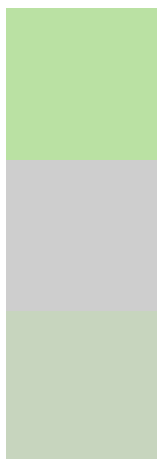
## Deuteranomaly

61.7904, 66.0089, 45.5607

## Tritanomaly

58.7090, 66.5546, 69.4265

# Monochromacy



## Original Color

53.7858, 66.9339, 44.7351

## Achromatopsia

58.6655, 61.7207, 67.2138

## Achromatomaly

56.6417, 63.4483, 57.9766

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.7858, 66.9339, 44.7351 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(186, 225, 163)` looks like.

```
.text, #text, p{  
    color:rgb(186, 225, 163)  
}
```

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(186, 225, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 225, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 53.7858, 66.9339, 44.7351 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(186, 225, 163) }
```



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

```
.border{ border-color:rgb(186, 225, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 225, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 225, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 225, 163);  
box-shadow:4px 4px 4px 4px rgb(186, 225,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.7858, 66.9339, 44.7351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 225, 163) }
```

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

```
.background{ background-color: rgb(186,  
225, 163) }
```

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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