

# Converting Colors

XYZ(42.8904, 58.7867, 38.4585)

Have a look what the booklet for  
XYZ(42.8904, 58.7867, 38.4585)  
contains.

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# Color

**XYZ(42.8701, 58.6731,  
38.3437)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94DA97
RGB	148, 218, 151
RGB Percent	58%, 85%, 59%
CMY	0.4196, 0.1451, 0.4078
CMYK	0.32, 0.00, 0.31, 0.15
HSL	123°, 49%, 72%
HSV	123°, 32%, 85%
XYZ	42.8701, 58.6731, 38.3437
YIQ	189.4320, -20.2130, -35.6770

# Conversions

## Conversions Part 2

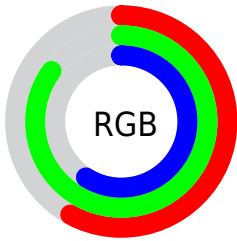
Format	Color
<a href="#">RYB</a>	<a href="#">148, 215, 218</a>
Decimal	<a href="#">9755287</a>
CIELab	<a href="#">81.11, -35.13, 26.20</a>
CIELCh	<a href="#">81, 43.827, 143.289</a>
Yxy	<a href="#">58.6731, 0.3065, 0.4194</a>
Android (android.graphics.Color)	<a href="#">4287945367 (0xFF94DA97)</a>
YUV	<a href="#">189.4320, -18.9470, -36.3359</a>
Hunter-Lab	<a href="#">76.5984, -34.1454, 23.9394</a>

# Details

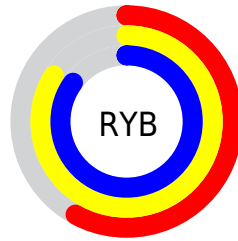
The XYZ color **42.8701, 58.6731, 38.3437** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.7711, 40.9928, 69.4762**, and the grayscale version is **48.7320, 51.2699, 55.8329**.

A 20% lighter version of the original color is **71.8024, 88.8136, 71.7509**, and **20.0135, 29.4942, 16.6947** is the 20% darker color. If you saturate the color by 10%, you get **37.7448, 56.2114, 30.0276**, and if you desaturate by 10%, it is **49.0410, 61.6426, 48.2768**.

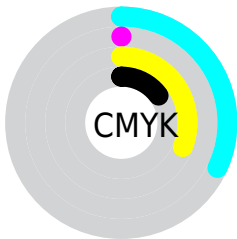
# Distribution



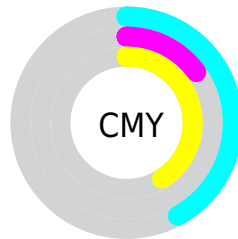
- Red (58%)
- Green (85%)
- Blue (59%)



- Red (58%)
- Yellow (84%)
- Blue (85%)



- Cyan (32%)
- Magenta (0%)
- Yellow (31%)
- Black (15%)




- Cyan (42%)
- Magenta (15%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8701, 58.6731, 38.3437 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 42.8701, 58.6731, 38.3437 by changing the saturation by 10% instead.





 42.8701, 58.6731,  
38.3437


 42.8701, 58.6731,  
38.3437


349.0079,  
419.6894, 354.4344

 29.9773, 42.3500,  
25.9457


 78.7717, 102.9024,  
73.8439

 19.9693, 29.3755,  
16.5576


 102.5113,  
131.5774, 97.7831

 12.4809, 19.3650,  
9.7610


130.5971,  
165.1385, 126.4065

 7.1466, 11.9343,  
5.1372

163.3945,  
203.9701, 160.1325

 3.6011, 6.6990,  
2.2679

201.2690,  
248.4566, 199.3798

 1.4790, 3.2746,  
0.7131

244.5858,

 0.3115, 1.2767,

298.9824, 244.5668

0.0000

293.7103,  
355.9319, 296.1122

■ 0.0000, 0.1231,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 42.8701, 58.6731,  
38.3437

■ 42.8701, 58.6731,  
38.3437

■ 37.7448, 56.2114,  
30.0276

■ 49.0410, 61.6426,  
48.2768

■ 33.6030, 54.2222,  
23.2393

■ 56.3062, 65.1381,  
59.9019

■ 30.3829, 52.6773,  
17.8870

■ 64.7166, 69.1862,  
73.2941

■ 28.0141, 51.5426,  
13.8675

■ 74.3189, 73.8092,  
88.5228

■ 26.4157, 50.7790,  
11.0639

■ 84.3626, 78.6251,  
105.3375

■ 25.4916, 50.3399,  
9.3390

■ 25.1238, 50.1656,  
8.6271

# Harmonies

## Analogous

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



49.1241, 58.6731, 27.9963



42.8701, 58.6731, 38.3437



40.1164, 58.6731, 58.1997

# Triad

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



42.8701, 58.6731, 38.3437



53.7448, 58.6731, 127.7833



73.4538, 58.6731, 46.0325

# Complementary

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



42.8701, 58.6731, 38.3437



51.7711, 40.9928, 69.4762

# 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.



75.0357, 58.6731, 69.9290



42.8701, 58.6731, 38.3437



62.9833, 58.6731, 121.9318

# Square

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



42.8701, 58.6731, 38.3437



45.9374, 58.6731, 113.1315



71.0213, 58.6731, 98.8114



66.9074, 58.6731, 31.5169



# Rectangle

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



42.8701, 58.6731, 38.3437



40.3973, 58.6731, 76.1242



71.0213, 58.6731, 98.8114



74.6111, 58.6731, 53.0335

# Sweetspot

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



42.8716, 58.6756, 38.3450



82.5993, 94.0069, 89.0921



58.6398, 66.8322, 37.8268



17.3342, 19.9551, 18.5184



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

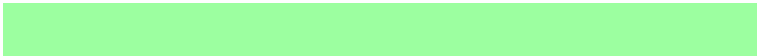


# Same Dimension

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



42.8716, 58.6756, 38.3450



55.7122, 81.0746, 45.8847



46.0780, 59.9581, 55.2298



12.9090, 14.6152, 13.9839



15.0611, 30.0571, 5.2212



0.9839, 1.9505, 0.3811



# Inverse Universe

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



51.7711, 40.9928, 69.4762



70.4242, 51.8346, 97.3428



47.8115, 39.4090, 48.6252



13.5890, 13.2647, 16.3630



24.2021, 11.6819, 37.0397

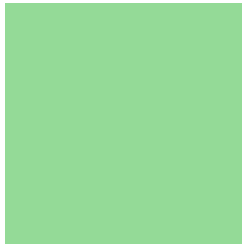


1.5756, 0.7599, 2.4398



# Previews

## White Background



This preview shows how the XYZ color 42.8701, 58.6731, 38.3437 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 42.8701, 58.6731, 38.3437 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

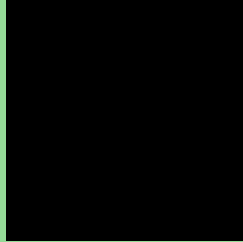
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.8701, 58.6731, 38.3437**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.8701, 58.6731, 38.3437.



This preview shows how white text looks on a background with the XYZ color 42.8701, 58.6731,



# 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

42.8701, 58.6731, 38.3437

### Protanopia

53.9311, 57.8907, 34.3181

### Deuteranopia

59.4167, 58.2364, 40.0074



## Tritanopia

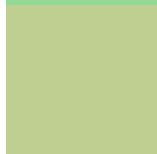
51.2914, 58.7186, 79.8646

# Trichromacy



## Original Color

42.8701, 58.6731, 38.3437



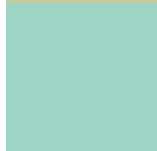
## Protanomaly

48.9870, 57.7773, 35.7644



## Deuteranomaly

51.6655, 57.3041, 39.3481



## Tritanomaly

47.6412, 58.3323, 62.1744

# Monochromacy



## Original Color

42.8701, 58.6731, 38.3437



## Achromatopsia

48.3692, 50.8881, 55.4172



## Achromatomaly

45.8477, 53.4024, 48.4487

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.8701, 58.6731, 38.3437 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(148, 218, 151)` looks like.

```
.text, #text, p{  
    color:rgb(148, 218, 151)  
}
```

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(148, 218, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 218, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 42.8701, 58.6731, 38.3437 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(148, 218, 151) }
```



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

```
.border{ border-color:rgb(148, 218, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 218, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 218, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 218, 151);  
box-shadow:4px 4px 4px 4px rgb(148, 218,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.8701, 58.6731, 38.3437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 218, 151) }
```

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

```
.background{ background-color: rgb(148,  
218, 151) }
```

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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