

# Converting Colors

XYZ(38.7681, 52.4030, 32.0019)

Have a look what the booklet for  
XYZ(38.7681, 52.4030, 32.0019)  
contains.

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# Color

**XYZ(38.9329, 52.6637,  
32.1579)**

# Conversions

## Conversions Part 1

Format	Color
Hex	93CF8A
RGB	147, 207, 138
RGB Percent	58%, 81%, 54%
CMY	0.4235, 0.1882, 0.4588
CMYK	0.29, 0.00, 0.33, 0.19
HSL	112°, 42%, 68%
HSV	112°, 33%, 81%
XYZ	38.9329, 52.6637, 32.1579
YIQ	181.1940, -13.6110, -34.1790

# Conversions

## Conversions Part 2

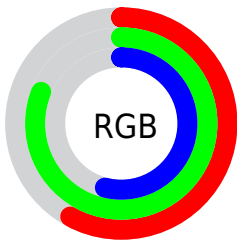
Format	Color
<a href="#">RYB</a>	<a href="#">138, 207, 198</a>
Decimal	<a href="#">9686922</a>
CIELab	<a href="#">77.68, -32.44, 28.32</a>
CIELCh	<a href="#">78, 43.065, 138.882</a>
Yxy	<a href="#">52.6637, 0.3146, 0.4255</a>
Android (android.graphics.Color)	<a href="#">4287877002 (0xFF93CF8A)</a>
YUV	<a href="#">181.1940, -21.2946, -29.9881</a>
Hunter-Lab	<a href="#">72.5698, -31.2337, 24.5256</a>

# Details

The XYZ color **38.9329, 52.6637, 32.1579** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.6420, 34.6893, 63.4298**, and the grayscale version is **44.1440, 46.4429, 50.5764**.

A 20% lighter version of the original color is **69.6315, 87.8823, 63.1622**, and **17.5646, 25.5243, 13.0177** is the 20% darker color. If you saturate the color by 10%, you get **34.5958, 50.5864, 24.8635**, and if you desaturate by 10%, it is **44.0635, 55.1202, 40.9826**.

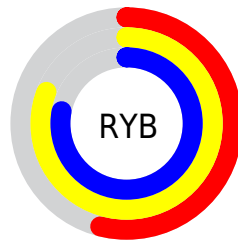
# Distribution



Red (58%)

Green (81%)

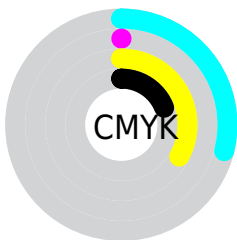
Blue (54%)



Red (54%)

Yellow (81%)

Blue (78%)

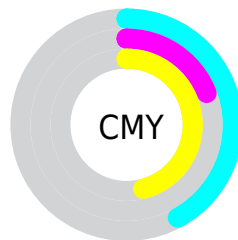


Cyan (29%)

Magenta (0%)

Yellow (33%)

Black (19%)



Cyan (42%)

Magenta (19%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9329, 52.6637, 32.1579 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 38.9329, 52.6637, 32.1579 by changing the saturation by 10% instead.




 38.9329, 52.6637,  
32.1579


 38.9329, 52.6637,  
32.1579


332.8172,  
396.9935, 326.3528


 26.8880, 37.5344,  
21.2163


 72.8305, 94.1093,  
64.1593

 17.6253, 25.6215,  
13.0894


 95.4140, 121.1944,  
86.0562

 10.7794, 16.5407,  
7.3587


 122.2410,  
153.0335, 112.4420

 5.9849, 9.9076,  
3.6056

153.6770,  
190.0111, 143.7352

 2.8765, 5.3377,  
1.4116

190.0872,  
232.5115, 180.3543

 1.0888, 2.4467,  
0.1507

231.8371,

 0.0157, 0.8498,

280.9191, 222.7180

0.0000

279.2920,  
335.6183, 271.2446

■ 0.0000, 0.0000,  
0.0000

■ 38.9329, 52.6637,  
32.1579

■ 38.9329, 52.6637,  
32.1579

■ 34.5958, 50.5864,  
24.8635

■ 44.0635, 55.1202,  
40.9826

■ 31.0084, 48.8629,  
19.0092

■ 50.0205, 57.9664,  
51.4141

■ 28.1290, 47.4753,  
14.5005

■ 56.8396, 61.2207,  
63.5280

■ 25.9097, 46.4013,  
11.2304

■ 64.5536, 64.8985,  
77.3940

■ 24.2970, 45.6159,  
9.0756

■ 73.1933, 69.0143,  
93.0780

■ 23.2283, 45.0902,  
7.8874

■ 81.6039, 73.1078,  
104.4180

■ 22.7658, 44.8607,  
7.4591

# Harmonies

## Analogous

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



45.0489, 52.6637, 23.9700



38.9329, 52.6637, 32.1579



35.9270, 52.6637, 48.9440

# Triad

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



38.9329, 52.6637, 32.1579



47.0300, 52.6637, 115.1528



66.7903, 52.6637, 43.7416

# Complementary

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



38.9329, 52.6637, 32.1579



43.6420, 34.6893, 63.4298

# 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.



67.4729, 52.6637, 66.6491



38.9329, 52.6637, 32.1579



55.4194, 52.6637, 112.6129

# Square

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



38.9329, 52.6637, 32.1579



40.2444, 52.6637, 99.3039



63.1166, 52.6637, 93.1039



61.3436, 52.6637, 29.2626



# Rectangle

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



38.9329, 52.6637, 32.1579



35.8401, 52.6637, 64.7197



63.1166, 52.6637, 93.1039



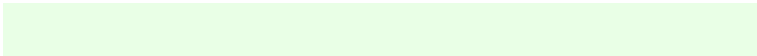
67.6054, 52.6637, 50.5471

# Sweetspot

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



38.9342, 52.6659, 32.1591



83.5201, 94.4994, 88.3335



50.4703, 55.3997, 32.0787



17.5548, 20.0731, 18.3369



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

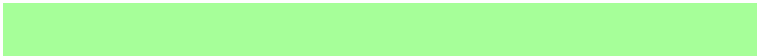


# Same Dimension

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



38.9342, 52.6659, 32.1591



57.2990, 81.9596, 42.9368



39.4335, 52.6865, 42.8840



11.7976, 13.2791, 12.5534



14.3878, 28.2861, 4.7015



0.8526, 1.6064, 0.2651



# Inverse Universe

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



43.6420, 34.6893, 63.4298



65.9557, 48.8263, 100.5559



43.2350, 34.8088, 48.5356



12.1528, 11.9276, 14.9054



19.0126, 8.9816, 37.9240



1.1063, 0.5245, 2.1225



# Previews

## White Background



This preview shows how the XYZ color 38.9329, 52.6637, 32.1579 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

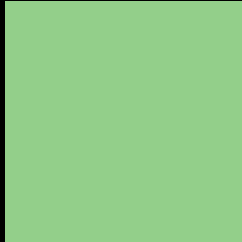
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.9329, 52.6637, 32.1579 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 38.9329, 52.6637, 32.1579**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.9329, 52.6637, 32.1579.



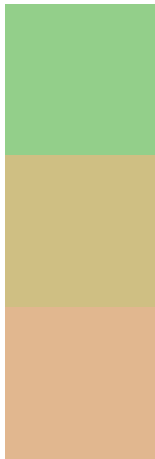
This preview shows how white text looks on a background with the XYZ color 38.9329, 52.6637,



# 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

38.9329, 52.6637, 32.1579

### Protanopia

48.4597, 52.1657, 28.9876

### Deuteranopia

52.9427, 51.8577, 33.2058



## Tritanopia

46.7015, 52.6658, 70.6549

# Trichromacy



## Original Color

38.9329, 52.6637, 32.1579

## Protanomaly

44.2769, 51.9680, 30.2514

## Deuteranomaly

46.6833, 51.4927, 32.6779

## Tritanomaly

43.2671, 52.2870, 54.2664

# Monochromacy



## Original Color

38.9329, 52.6637, 32.1579

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

41.5672, 47.9785, 42.6673

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.9329, 52.6637, 32.1579 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(147, 207, 138)` looks like.

```
.text, #text, p{  
    color:rgb(147, 207, 138)  
}
```

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(147, 207, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 207, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 38.9329, 52.6637, 32.1579 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(147, 207, 138) }
```



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

```
.border{ border-color:rgb(147, 207, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 207, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 207, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 207, 138);  
box-shadow:4px 4px 4px 4px rgb(147, 207,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.9329, 52.6637, 32.1579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 207, 138) }
```

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

```
.background{ background-color: rgb(147,  
207, 138) }
```

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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