

# Converting Colors

XYZ(39.0104, 49.3033, 32.9614)

Have a look what the booklet for  
XYZ(39.0104, 49.3033, 32.9614)  
contains.

<b>XYZ(38.9493, 49.1546, 33.0261)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(38.9493, 49.1546,  
33.0261)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EC58E
RGB	158, 197, 142
RGB Percent	62%, 77%, 56%
CMY	0.3804, 0.2274, 0.4431
CMYK	0.20, 0.00, 0.28, 0.23
HSL	103°, 32%, 66%
HSV	103°, 28%, 77%
XYZ	38.9493, 49.1546, 33.0261
YIQ	179.0690, -5.5890, -25.3730

# Conversions

## Conversions Part 2

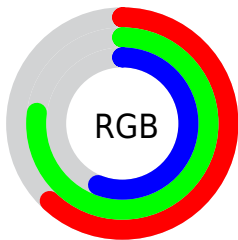
<b>Format</b>	<b>Color</b>
<b>RYB</b>	142, 197, 181
Decimal	10405262
CIELab	75.55, -23.22, 23.46
CIELCh	76, 33.007, 134.698
Yxy	49.1546, 0.3215, 0.4058
Android (android.graphics.Color)	4288595342 (0xFF9EC58E)
YUV	179.0690, -18.2750, -18.4775
Hunter-Lab	70.1103, -23.5287, 21.1482

# Details

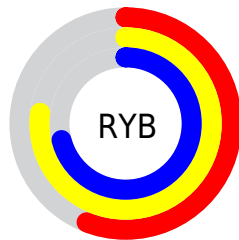
The XYZ color **38.9493, 49.1546, 33.0261** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.8091, 33.2024, 57.1892**, and the grayscale version is **42.9821, 45.2205, 49.2451**.

A 20% lighter version of the original color is **72.8462, 89.0153, 65.5668**, and **17.6546, 23.4644, 13.4961** is the 20% darker color. If you saturate the color by 10%, you get **35.0058, 47.2792, 25.7912**, and if you desaturate by 10%, it is **43.4692, 51.2999, 41.6546**.

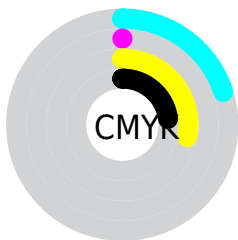
# Distribution



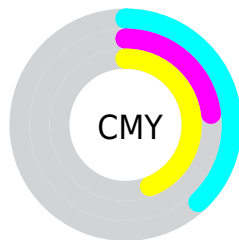
- Red (62%)
- Green (77%)
- Blue (56%)



- Red (56%)
- Yellow (77%)
- Blue (71%)



- Cyan (20%)
- Magenta (0%)
- Yellow (28%)
- Black (23%)




- Cyan (38%)
- Magenta (23%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9493, 49.1546, 33.0261 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 38.9493, 49.1546, 33.0261 by changing the saturation by 10% instead.





 38.9493, 49.1546,  
33.0261

 38.9493, 49.1546,  
33.0261


332.8858,  
383.3506, 330.4029

 26.9008, 34.7421,  
21.8752

 72.8554, 88.9210,  
65.5328

 17.6350, 23.4643,  
13.5678


 95.4438, 115.0438,  
87.7256

 10.7863, 14.9367,  
7.6854


122.2762,  
145.8387, 114.4360

 5.9896, 8.7750,  
3.8094

153.7179,  
181.6903, 146.0828

 2.8793, 4.5947,  
1.5214

190.1344,  
222.9829, 183.0843

 1.0903, 2.0115,  
0.2338

231.8910,

 0.0170, 0.6141,

270.1009, 225.8591

0.0000

279.3530,  
323.4287, 274.8258

■ 0.0000, 0.0000,  
0.0000

■ 38.9493, 49.1546,  
33.0261

■ 38.9493, 49.1546,  
33.0261

■ 35.0058, 47.2792,  
25.7912

■ 43.4692, 51.2999,  
41.6546

■ 31.6107, 45.6564,  
19.8737

■ 48.5845, 53.7189,  
51.7411

■ 28.7393, 44.2767,  
15.1950

■ 54.3176, 56.4235,  
63.3499

■ 26.3632, 43.1274,  
11.6669

■ 60.6890, 59.4227,  
76.5405

■ 24.4513, 42.1947,  
9.1895

■ 67.7180, 62.7254,  
91.3692

■ 22.9680, 41.4626,  
7.6458

■ 74.5737, 66.0001,  
103.4166

■ 21.8659, 40.9107,  
6.8618

■ 79.2572, 68.4145,  
103.6357

■ 21.6720, 40.8133,  
6.7355

# Harmonies

## Analogous

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



43.8079, 49.1546, 27.1698



38.9493, 49.1546, 33.0261



36.2995, 49.1546, 45.1402

# Triad

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



38.9493, 49.1546, 33.0261



43.6938, 49.1546, 92.8788



59.0025, 49.1546, 45.4456

# Complementary

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



38.9493, 49.1546, 33.0261



38.8091, 33.2024, 57.1892

# 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.



58.9652, 49.1546, 62.8798



38.9493, 49.1546, 33.0261



49.7583, 49.1546, 93.0110

# Square

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



38.9493, 49.1546, 33.0261



38.8721, 49.1546, 80.7820



55.4610, 49.1546, 81.1112



55.5589, 49.1546, 33.2076



# Rectangle

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



38.9493, 49.1546, 33.0261



35.9825, 49.1546, 56.3187



55.4610, 49.1546, 81.1112



59.4057, 49.1546, 50.8175

# Sweetspot

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



38.9506, 49.1567, 33.0272



86.8144, 96.1139, 92.2708



44.3328, 46.6702, 32.2635



18.2679, 20.4240, 19.1237



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

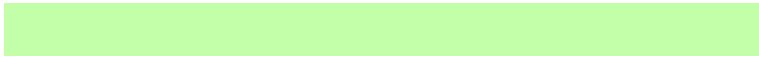


# Same Dimension

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



38.9506, 49.1567, 33.0272



64.9808, 85.7642, 50.3218



36.8728, 47.9854, 37.4567



10.7825, 12.0348, 11.3174



14.3269, 26.8811, 4.4335



0.7518, 1.3107, 0.2134



# Inverse Universe

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



38.8091, 33.2024, 57.1892



64.6709, 52.1229, 101.2599



41.5637, 34.7628, 50.9758



10.7710, 10.6557, 13.4066



13.7952, 6.3460, 35.2422

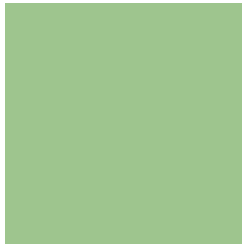


0.7226, 0.3363, 1.6720



# Previews

## White Background



This preview shows how the XYZ color 38.9493, 49.1546, 33.0261 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 38.9493, 49.1546, 33.0261 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 38.9493, 49.1546, 33.0261**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.9493, 49.1546, 33.0261.



This preview shows how white text looks on a background with the XYZ color 38.9493, 49.1546,



# 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**

38.9493, 49.1546, 33.0261

**Protanopia**

45.4175, 48.6462, 30.6628

**Deuteranopia**

49.7240, 48.6678, 33.9672



## Tritanopia

45.2451, 49.0797, 64.2154

# Trichromacy



## Original Color

38.9493, 49.1546, 33.0261

## Protanomaly

42.6250, 48.4496, 31.5312

## Deuteranomaly

45.2247, 48.4780, 33.7617

## Tritanomaly

42.5000, 48.9280, 50.9201

# Monochromacy



## Original Color

38.9493, 49.1546, 33.0261

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

41.2364, 46.5289, 42.8840

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.9493, 49.1546, 33.0261 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(158, 197, 142)` looks like.

```
.text, #text, p{  
    color:rgb(158, 197, 142)  
}
```

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(158, 197, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 197, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 38.9493, 49.1546, 33.0261 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(158, 197, 142) }
```



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

```
.border{ border-color:rgb(158, 197, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 197, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 197, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 197, 142);  
box-shadow:4px 4px 4px 4px rgb(158, 197,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.9493, 49.1546, 33.0261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 197, 142) }
```

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

```
.background{ background-color: rgb(158,  
197, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor