

Converting Colors

XYZ(37.9354, 49.2017, 38.0715)

Have a look what the booklet for
XYZ(37.9354, 49.2017, 38.0715)
contains.

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Color

**XYZ(37.9332, 49.1997,
38.0690)**

Conversions

Conversions Part 1

Format	Color
Hex	91C79A
RGB	145, 199, 154
RGB Percent	57%, 78%, 60%
CMY	0.4314, 0.2196, 0.3961
CMYK	0.27, 0.00, 0.23, 0.22
HSL	130°, 33%, 67%
HSV	130°, 27%, 78%
XYZ	37.9332, 49.1997, 38.0690
YIQ	177.7240, -17.7390, -25.4430

Conversions

Conversions Part 2

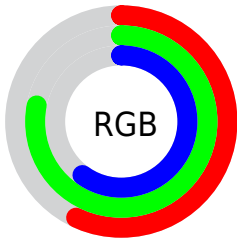
Format	Color
RYB	145, 191, 199
Decimal	9553818
CIELab	75.58, -26.60, 16.99
CIELCh	76, 31.560, 147.425
Yxy	49.1997, 0.3030, 0.3930
Android (android.graphics.Color)	4287743898 (0xFF91C79A)
YUV	177.7240, -11.6959, -28.6989
Hunter-Lab	70.1425, -26.2162, 16.9208

Details

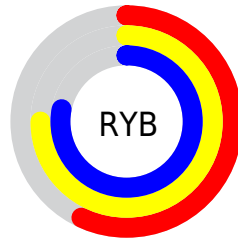
The XYZ color **37.9332, 49.1997, 38.0690** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.9745, 36.1117, 53.4225**, and the grayscale version is **42.2387, 44.4384, 48.3934**.

A 20% lighter version of the original color is **71.0880, 88.4028, 73.6383**, and **17.0878, 23.5572, 16.4783** is the 20% darker color. If you saturate the color by 10%, you get **33.4419, 47.0345, 31.1404**, and if you desaturate by 10%, it is **43.2322, 51.7620, 46.0337**.

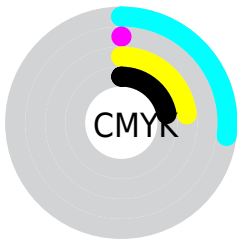
Distribution



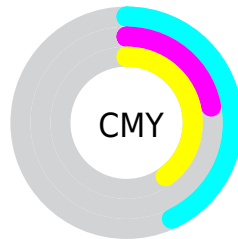
- Red (57%)
- Green (78%)
- Blue (60%)



- Red (57%)
- Yellow (75%)
- Blue (78%)



- Cyan (27%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)



- Cyan (43%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9332, 49.1997, 38.0690 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 37.9332, 49.1997, 38.0690 by changing the saturation by 10% instead.

■ 37.9332, 49.1997,
38.0690

■ 37.9332, 49.1997,
38.0690

328.6191,
383.5280, 353.2229

■ 26.1078, 34.7779,
25.7340

■ 71.3103, 88.9880,
73.4185

■ 17.0374, 23.4919,
16.4008

■ 93.5927, 115.1233,
97.2700

■ 10.3566, 14.9571,
9.6508

120.0916,
145.9319, 125.7975

■ 5.7001, 8.7893,
5.0655

151.1722,
181.7981, 159.4195

■ 2.7025, 4.6040,
2.2263

187.1998,
223.1065, 198.5545

■ 0.9985, 2.0168,
0.6895

228.5400,

■ 0.0000, 0.6172,

270.2413, 243.6210

0.0000

275.5580,
323.5870, 295.0377

■ 0.0000, 0.0000,
0.0000

■ 37.9332, 49.1997,
38.0690

■ 37.9332, 49.1997,
38.0690

■ 33.4419, 47.0345,
31.1404

■ 43.2322, 51.7620,
46.0337

■ 29.7147, 45.2406,
25.2021

■ 49.3720, 54.7335,
55.0711

■ 26.7094, 43.7987,
20.2098

■ 56.3886, 58.1334,
65.2202

■ 24.3786, 42.6853,
16.1146

■ 64.3149, 61.9777,
76.5171

■ 22.6687, 41.8741,
12.8630

■ 73.1819, 66.2818,
88.9961

■ 21.5179, 41.3342,
10.3960

■ 79.4744, 69.2328,
102.5243

■ 20.8442, 41.0249,
8.6466

■ 79.7144, 69.3288,
103.7881

■ 20.7013, 40.9595,
8.2661

Harmonies

Analogous

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



41.7845, 49.1997, 29.8162



37.9332, 49.1997, 38.0690



36.4286, 49.1997, 52.1397

Triad

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



37.9332, 49.1997, 38.0690



46.2607, 49.1997, 92.4963



57.4423, 49.1997, 40.0947

Complementary

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



37.9332, 49.1997, 38.0690



42.9745, 36.1117, 53.4225

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.



58.8871, 49.1997, 55.0264



37.9332, 49.1997, 38.0690



52.1217, 49.1997, 87.4420

Square

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



37.9332, 49.1997, 38.0690



40.9799, 49.1997, 85.4563



56.8662, 49.1997, 72.7940



53.0657, 49.1997, 30.8035

Rectangle

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



37.9332, 49.1997, 38.0690



36.8565, 49.1997, 63.7770



56.8662, 49.1997, 72.7940



58.3020, 49.1997, 44.5148

Sweetspot

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



37.9345, 49.2018, 38.0701



85.3216, 95.2872, 94.7843



46.7714, 53.8408, 34.7157



17.8950, 20.2175, 19.7503



0.0000, 0.0000, 0.0000



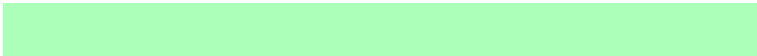
20.3446, 21.4041, 23.3091

Same Dimension

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



37.9345, 49.2018, 38.0701



61.2657, 83.6586, 58.7485



40.4425, 50.2049, 51.2767



10.5684, 11.9162, 11.6774



13.3329, 26.3455, 5.4316



0.6544, 1.2567, 0.3789

Inverse Universe

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



42.9745, 36.1117, 53.4225



71.6480, 56.6786, 90.3633



40.2909, 35.0382, 39.2908



11.0043, 10.7851, 13.0057



19.5892, 9.5852, 24.1102



0.9483, 0.4622, 1.2508

Previews

White Background



This preview shows how the XYZ color 37.9332, 49.1997, 38.0690 looks on a white background.

Color Contrast Check

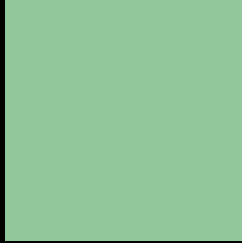
Large Text (above 18pt) WCAG AA × Fail

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 37.9332, 49.1997, 38.0690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

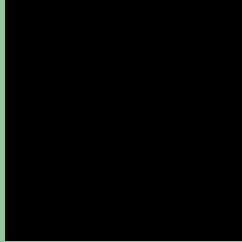
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9332, 49.1997, 38.0690

Background



This preview shows how black text looks on a background with the XYZ color 37.9332, 49.1997, 38.0690.



This preview shows how white text looks on a background with the XYZ color 37.9332, 49.1997,

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

37.9332, 49.1997, 38.0690

Protanopia

45.6414, 48.6748, 34.5934

Deuteranopia

49.7322, 48.8550, 39.1565



Tritanopia

43.6297, 49.1728, 66.2233

Trichromacy



Original Color

37.9332, 49.1997, 38.0690

Protanomaly

42.2786, 48.4939, 35.9861

Deuteranomaly

44.3837, 48.2435, 38.8709

Tritanomaly

41.3547, 49.2404, 54.9017

Monochromacy



Original Color

37.9332, 49.1997, 38.0690

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

40.4462, 46.0894, 44.3005

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9332, 49.1997, 38.0690 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(145, 199, 154)` looks like.

```
.text, #text, p{  
    color:rgb(145, 199, 154)  
}
```

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(145, 199, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 199, 154) }
```

Border

The CSS property to change the border of an element to XYZ 37.9332, 49.1997, 38.0690 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(145, 199, 154) }
```


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

```
.border{ border-color:rgb(145, 199, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 199, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 199, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 199, 154);  
box-shadow:4px 4px 4px 4px rgb(145, 199,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9332, 49.1997, 38.0690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 199, 154) }
```

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

```
.background{ background-color: rgb(145,  
199, 154) }
```

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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