

Converting Colors

XYZ(37.4007, 49.3471, 38.2065)

Have a look what the booklet for
XYZ(37.4007, 49.3471, 38.2065)
contains.

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Color

**XYZ(37.3022, 49.2171,
38.1057)**

Conversions

Conversions Part 1

Format	Color
Hex	8CC89A
RGB	140, 200, 154
RGB Percent	55%, 78%, 60%
CMY	0.4510, 0.2157, 0.3961
CMYK	0.30, 0.00, 0.23, 0.22
HSL	134°, 35%, 67%
HSV	134°, 30%, 78%
XYZ	37.3022, 49.2171, 38.1057
YIQ	176.8160, -20.9940, -27.0260

Conversions

Conversions Part 2

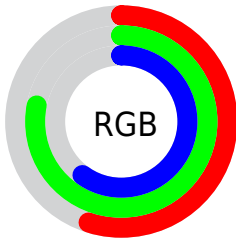
Format	Color
RYB	140, 189, 200
Decimal	9226394
CIELab	75.59, -28.69, 16.97
CIELCh	76, 33.334, 149.406
Yxy	49.2171, 0.2993, 0.3949
Android (android.graphics.Color)	4287416474 (0xFF8CC89A)
YUV	176.8160, -11.2483, -32.2876
Hunter-Lab	70.1549, -27.8605, 16.9042

Details

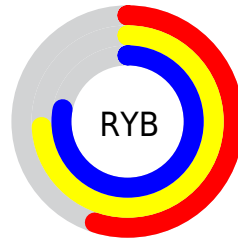
The XYZ color **37.3022, 49.2171, 38.1057** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **42.0620, 34.5817, 50.9142**, and the grayscale version is **41.7595, 43.9342, 47.8444**.

A 20% lighter version of the original color is **69.7743, 87.7256, 73.5768**, and **16.7516, 23.6117, 16.5066** is the 20% darker color. If you saturate the color by 10%, you get **33.0370, 47.1580, 31.6604**, and if you desaturate by 10%, it is **42.3457, 51.6614, 45.4412**.

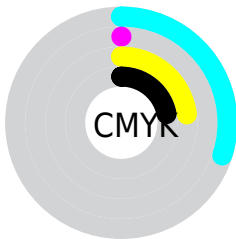
Distribution



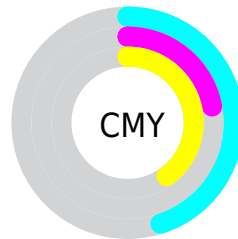
- Red (55%)
- Green (78%)
- Blue (60%)



- Red (55%)
- Yellow (74%)
- Blue (78%)



- Cyan (30%)
- Magenta (0%)
- Yellow (23%)
- Black (22%)





- Cyan (45%)
- Magenta (22%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3022, 49.2171, 38.1057 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 37.3022, 49.2171, 38.1057 by changing the saturation by 10% instead.


 37.3022, 49.2171,
38.1057


 37.3022, 49.2171,
38.1057


325.9499,
383.5964, 353.3850


 25.6163, 34.7917,
25.7623

 70.3481, 89.0138,
73.4753

 16.6680, 23.5025,
16.4217


 92.4389, 115.1539,
97.3386

 10.0919, 14.9650,
9.6655


 118.7287,
145.9678, 125.8789

 5.5227, 8.7948,
5.0750

149.5828,
181.8397, 159.5148

 2.5949, 4.6076,
2.2318

185.3666,
223.1541, 198.6648

 0.9434, 2.0189,
0.6927

226.4455,

 0.0000, 0.6184,

270.2955, 243.7475

0.0000

273.1848,
323.6481, 295.1814

■ 0.0000, 0.0000,
0.0000

■ 37.3022, 49.2171,
38.1057

■ 37.3022, 49.2171,
38.1057

■ 33.0370, 47.1580,
31.6604

■ 42.3457, 51.6614,
45.4412

■ 29.5069, 45.4583,
26.0680

■ 48.2001, 54.5028,
53.6957

■ 26.6703, 44.0987,
21.2939

■ 54.9009, 57.7604,
62.9005

■ 24.4798, 43.0555,
17.2992

■ 62.4803, 61.4501,
73.0848

■ 22.8816, 42.3021,
14.0423

■ 70.9687, 65.5872,
84.2763

■ 21.8132, 41.8070,
11.4773

■ 78.5303, 69.2245,
96.4143

■ 21.1616, 41.5130,
9.5518

■ 79.9452, 69.7905,
103.8651

Harmonies

Analogous

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



41.1988, 49.2171, 29.1274



37.3022, 49.2171, 38.1057



35.9022, 49.2171, 53.2382

Triad

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



37.3022, 49.2171, 38.1057



46.6567, 49.2171, 95.1931



57.8808, 49.2171, 38.5929

Complementary

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



37.3022, 49.2171, 38.1057



42.0620, 34.5817, 50.9142

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.



59.6577, 49.2171, 53.9414



37.3022, 49.2171, 38.1057



52.8424, 49.2171, 88.9251

Square

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



37.3022, 49.2171, 38.1057



41.0037, 49.2171, 88.4332



57.7395, 49.2171, 72.7839



53.0734, 49.2171, 29.3622

Rectangle

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



37.3022, 49.2171, 38.1057



36.4690, 49.2171, 65.6750



57.7395, 49.2171, 72.7839



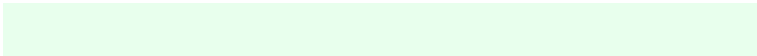
58.8701, 49.2171, 43.0850

Sweetspot

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



37.3035, 49.2192, 38.1068



84.4003, 94.8223, 94.2855



45.6395, 53.6435, 32.7601



17.7215, 20.1289, 19.7031



0.0000, 0.0000, 0.0000



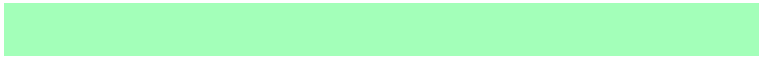
20.3446, 21.4041, 23.3091

Same Dimension

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



37.3035, 49.2192, 38.1068



59.6221, 82.8144, 58.5313



40.1227, 50.3468, 52.9524



10.5972, 11.9278, 11.8290



13.4839, 26.4059, 6.2267



0.6675, 1.2619, 0.4476

Inverse Universe

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



42.0620, 34.5817, 50.9142



69.1637, 53.4419, 84.1958



39.1997, 33.4368, 35.8412



10.9732, 10.7726, 12.8419



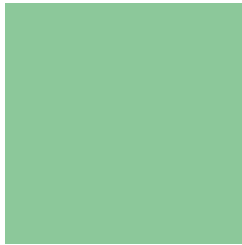
18.8546, 9.2914, 20.2418



0.9193, 0.4505, 1.0980

Previews

White Background



This preview shows how the XYZ color 37.3022, 49.2171, 38.1057 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 37.3022, 49.2171, 38.1057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

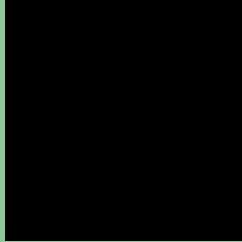
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3022, 49.2171, 38.1057

Background



This preview shows how black text looks on a background with the XYZ color 37.3022, 49.2171, 38.1057.



This preview shows how white text looks on a background with the XYZ color 37.3022, 49.2171,

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

37.3022, 49.2171, 38.1057

Protanopia

45.6414, 48.6748, 34.5934

Deuteranopia

49.8187, 48.8895, 39.6118



Tritanopia

43.0328, 49.1780, 66.8987

Trichromacy



Original Color

37.3022, 49.2171, 38.1057

Protanomaly

41.8230, 48.2590, 35.9648

Deuteranomaly

44.1058, 48.4141, 38.9185

Tritanomaly

40.6711, 49.2217, 54.9341

Monochromacy



Original Color

37.3022, 49.2171, 38.1057

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

39.8202, 45.4550, 44.2111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3022, 49.2171, 38.1057 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(140, 200, 154)` looks like.

```
.text, #text, p{  
    color:rgb(140, 200, 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(140, 200, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 200, 154) }
```

Border

The CSS property to change the border of an element to XYZ 37.3022, 49.2171, 38.1057 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(140, 200, 154) }
```


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

```
.border{ border-color:rgb(140, 200, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 200, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(140, 200, 154); -webkit-box-shadow:4px 4px 4px 4px rgb(140, 200, 154); box-shadow:4px 4px 4px 4px rgb(140, 200, 154) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3022, 49.2171, 38.1057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 200, 154) }
```

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

```
.background{ background-color: rgb(140,  
200, 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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