

Converting Colors

XYZ(34.6474, 46.8138, 31.3703)

Have a look what the booklet for
XYZ(34.6474, 46.8138, 31.3703)
contains.

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Color

**XYZ(34.7070, 47.0017,
31.2877)**

Conversions

Conversions Part 1

Format	Color
Hex	88C58A
RGB	136, 197, 138
RGB Percent	53%, 77%, 54%
CMY	0.4667, 0.2274, 0.4588
CMYK	0.31, 0.00, 0.30, 0.23
HSL	122°, 34%, 65%
HSV	122°, 31%, 77%
XYZ	34.7070, 47.0017, 31.2877
YIQ	172.0350, -17.4170, -31.2810

Conversions

Conversions Part 2

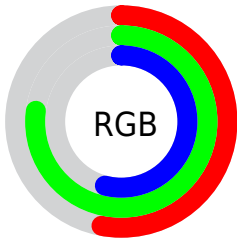
Format	Color
RYB	136, 195, 197
Decimal	8963466
CIELab	74.19, -31.37, 23.52
CIELCh	74, 39.214, 143.138
Yxy	47.0017, 0.3072, 0.4160
Android (android.graphics.Color)	4287153546 (0xFF88C58A)
YUV	172.0350, -16.7793, -31.6027
Hunter-Lab	68.5578, -29.6115, 20.9323

Details

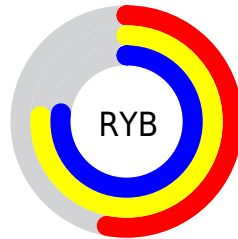
The XYZ color **34.7070, 47.0017, 31.2877** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.6820, 33.4197, 55.8853**, and the grayscale version is **39.3199, 41.3676, 45.0493**.

A 20% lighter version of the original color is **66.4421, 85.7658, 62.9218**, and **15.2401, 22.2343, 12.7209** is the 20% darker color. If you saturate the color by 10%, you get **30.5363, 44.9986, 24.5124**, and if you desaturate by 10%, it is **39.7103, 49.4087, 39.3672**.

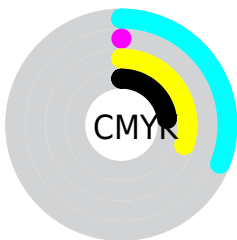
Distribution



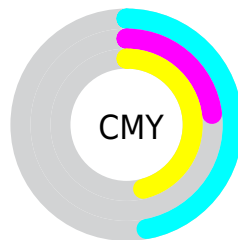
- Red (53%)
- Green (77%)
- Blue (54%)



- Red (53%)
- Yellow (76%)
- Blue (77%)



- Cyan (31%)
- Magenta (0%)
- Yellow (30%)
- Black (23%)



- Cyan (47%)
- Magenta (23%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7070, 47.0017, 31.2877 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 34.7070, 47.0017, 31.2877 by changing the saturation by 10% instead.

■ 34.7070, 47.0017,
31.2877

■ 34.7070, 47.0017,
31.2877

314.8039,
374.8213, 322.2537

■ 23.6027, 33.0370,
20.5577

■ 66.3686, 85.7162,
62.7776

■ 15.1623, 22.1548,
12.6130

■ 87.6567, 111.2347,
84.3746

■ 9.0204, 13.9707,
7.0350

■ 113.0701,
141.3733, 110.4311

■ 4.8117, 8.1003,
3.4052

142.9741,
176.5164, 141.3655

■ 2.1708, 4.1592,
1.3051

177.7341,
217.0484, 177.5965

■ 0.7273, 1.7630,
0.0660

217.7155,

■ 0.0000, 0.4640,

263.3536, 219.5424

0.0000

263.2837,
315.8164, 267.6220

■ 0.0000, 0.0000,
0.0000

■ 34.7070, 47.0017,
31.2877

■ 34.7070, 47.0017,
31.2877

■ 30.5363, 44.9986,
24.5124

■ 39.7103, 49.4087,
39.3672

■ 27.1495, 43.3719,
18.9702

■ 45.5840, 52.2338,
48.8111

■ 24.4988, 42.0996,
14.5878


■ 52.3681, 55.4976,
59.6793


■ 22.5295, 41.1555,
11.2829


■ 60.0991, 59.2177,
72.0274


■ 21.1793, 40.5094,
8.9625

■ 68.8112, 63.4108,
85.9080

 20.3744, 40.1256,
7.5178

 78.5372, 68.0926,
101.3712

 20.0026, 39.9485,
6.8422

 79.2572, 68.4143,
103.6357

Harmonies

Analogous

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



39.5693, 47.0017, 23.1924



34.7070, 47.0017, 31.2877



32.5511, 47.0017, 46.6893

Triad

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



34.7070, 47.0017, 31.2877



43.0780, 47.0017, 100.0433



58.2937, 47.0017, 37.4208

Complementary

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



34.7070, 47.0017, 31.2877



41.6820, 33.4197, 55.8853

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.



59.4846, 47.0017, 55.9431



34.7070, 47.0017, 31.2877



50.1993, 47.0017, 95.6729

Square

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



34.7070, 47.0017, 31.2877



37.0449, 47.0017, 88.8237



56.3862, 47.0017, 78.0929



53.2840, 47.0017, 26.0298

Rectangle

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



34.7070, 47.0017, 31.2877



32.7597, 47.0017, 60.4914



56.3862, 47.0017, 78.0929



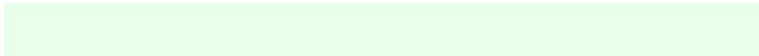
59.1741, 47.0017, 42.8712

Sweetspot

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



34.7082, 47.0037, 31.2887



83.7348, 94.5561, 90.7810



47.1728, 53.4460, 31.1227



17.5590, 20.0639, 18.8475



0.0000, 0.0000, 0.0000



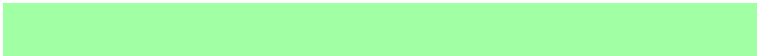
20.3446, 21.4041, 23.3091

Same Dimension

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



34.7082, 47.0037, 31.2887



57.0653, 81.7319, 47.7694



37.1438, 47.9779, 44.1143



10.5113, 11.8934, 11.3769



13.1621, 26.2772, 4.5320



0.6282, 1.2462, 0.2411

Inverse Universe

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



41.6820, 33.4197, 55.8853



71.4794, 53.6498, 98.6048



38.6671, 32.2137, 40.0094



11.0675, 10.8104, 13.3387



21.3036, 10.2710, 33.1383



1.0136, 0.4883, 1.5945

Previews

White Background



This preview shows how the XYZ color 34.7070, 47.0017, 31.2877 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 34.7070, 47.0017, 31.2877 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

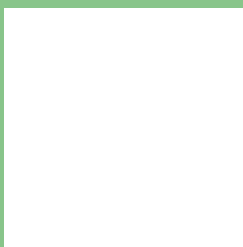
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.7070, 47.0017, 31.2877

Background



This preview shows how black text looks on a background with the XYZ color 34.7070, 47.0017, 31.2877.



This preview shows how white text looks on a background with the XYZ color 34.7070, 47.0017,

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

34.7070, 47.0017, 31.2877

Protanopia

43.3304, 46.6967, 28.2023

Deuteranopia

47.2454, 46.2523, 32.4241



Tritanopia

41.3094, 47.0507, 64.0312

Trichromacy



Original Color

34.7070, 47.0017, 31.2877

Protanomaly

39.5290, 46.2605, 29.4000

Deuteranomaly

41.3028, 45.5693, 31.8182

Tritanomaly

38.5895, 46.9239, 50.2033

Monochromacy



Original Color

34.7070, 47.0017, 31.2877

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.1671, 42.9567, 39.5903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7070, 47.0017, 31.2877 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(136, 197, 138)` looks like.

```
.text, #text, p{  
    color:rgb(136, 197, 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(136, 197, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 197, 138) }
```

Border

The CSS property to change the border of an element to XYZ 34.7070, 47.0017, 31.2877 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(136, 197, 138) }
```


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

```
.border{ border-color:rgb(136, 197, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 197, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 197, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 197, 138);  
box-shadow:4px 4px 4px 4px rgb(136, 197,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7070, 47.0017, 31.2877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 197, 138) }
```

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

```
.background{ background-color: rgb(136,  
197, 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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