

Converting Colors

XYZ(34.1133, 46.9745, 32.9077)

Have a look what the booklet for
XYZ(34.1133, 46.9745, 32.9077)
contains.

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Color

**XYZ(34.1298, 47.0083,
32.8659)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 81C68E |
| RGB | 129, 198, 142 |
| RGB Percent | 51%, 78%, 56% |
| CMY | 0.4941, 0.2235, 0.4431 |
| CMYK | 0.35, 0.00, 0.28, 0.22 |
| HSL | 131°, 38%, 64% |
| HSV | 131°, 35%, 78% |
| XYZ | 34.1298, 47.0083, 32.8659 |
| YIQ | 170.9850, -23.1480, -32.0440 |

Conversions

Conversions Part 2

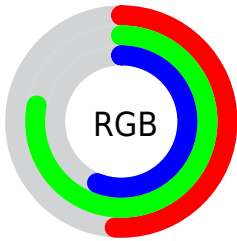
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 129, 187, 198 |
| Decimal | 8504974 |
| CIELab | 74.20, -33.38, 21.35 |
| CIELCh | 74, 39.627, 147.403 |
| Yxy | 47.0083, 0.2994, 0.4123 |
| Android (android.graphics.Color) | 4286695054 (0xFF81C68E) |
| YUV | 170.9850, -14.2896, -36.8208 |
| Hunter-Lab | 68.5626, -31.1290, 19.5728 |

Details

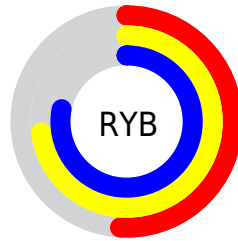
The XYZ color **34.1298, 47.0083, 32.8659** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.8974, 31.2100, 49.8219**, and the grayscale version is **38.7800, 40.7995, 44.4307**.

A 20% lighter version of the original color is **65.4910, 85.6959, 65.3138**, and **14.8421, 22.2383, 13.4077** is the 20% darker color. If you saturate the color by 10%, you get **30.2879, 45.1586, 26.8359**, and if you desaturate by 10%, it is **38.7309, 49.2320, 39.8415**.

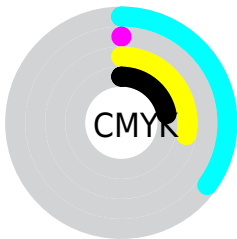
Distribution



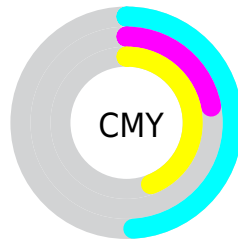
- Red (51%)
- Green (78%)
- Blue (56%)



- Red (51%)
- Yellow (73%)
- Blue (78%)



- Cyan (35%)
- Magenta (0%)
- Yellow (28%)
- Black (22%)




- Cyan (49%)
- Magenta (22%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.1298, 47.0083, 32.8659 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 34.1298, 47.0083, 32.8659 by changing the saturation by 10% instead.


 34.1298, 47.0083,
32.8659


 34.1298, 47.0083,
32.8659


312.2862,
374.8477, 329.6585


 23.1567, 33.0422,
21.7535

 65.4784, 85.7260,
65.2797

 14.8306, 22.1588,
13.4793


 86.5846, 111.2464,
87.4182

 8.7861, 13.9736,
7.6248

 111.7993,
141.3871, 114.0690

 4.6579, 8.1023,
3.7715

141.4877,
176.5324, 145.6508

 2.0807, 4.1605,
1.5009

176.0152,
217.0667, 182.5822

 0.6787, 1.7637,
0.2186

215.7473,

 0.0000, 0.4644,

263.3744, 225.2815

0.0000

261.0491,
315.8399, 274.1674

■ 0.0000, 0.0000,
0.0000

■ 34.1298, 47.0083,
32.8659

■ 34.1298, 47.0083,
32.8659

■ 30.2879, 45.1586,
26.8359

■ 38.7309, 49.2320,
39.8415

■ 27.1603, 43.6565,
21.7077

■ 44.1256, 51.8426,
47.7977

■ 24.7031, 42.4817,
17.4388


■ 50.3506, 54.8595,
56.7715

■ 22.8658, 41.6091,
13.9820


■ 57.4392, 58.2992,
66.7971


■ 21.5904, 41.0100,
11.2855


■ 65.4227, 62.1772,
77.9072

 20.8076, 40.6498,
9.2915

 74.3312, 66.5083,
90.1329

 20.5338, 40.5255,
8.5156

 79.4030, 68.8372,
103.2800

 79.4850, 68.8700,
103.7117

Harmonies

Analogous

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



38.6823, 47.0083, 23.7124



34.1298, 47.0083, 32.8659



32.3741, 47.0083, 49.4314

Triad

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



34.1298, 47.0083, 32.8659



44.0637, 47.0083, 101.0665



57.9401, 47.0083, 35.2050

Complementary

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



34.1298, 47.0083, 32.8659



39.8974, 31.2100, 49.8219

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.



59.7653, 47.0083, 52.9777



34.1298, 47.0083, 32.8659



51.2676, 47.0083, 94.3730

Square

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



34.1298, 47.0083, 32.8659



37.7164, 47.0083, 91.7320



57.2070, 47.0083, 75.2897



52.4519, 47.0083, 24.7898

Rectangle

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



34.1298, 47.0083, 32.8659



32.8698, 47.0083, 63.8013



57.2070, 47.0083, 75.2897



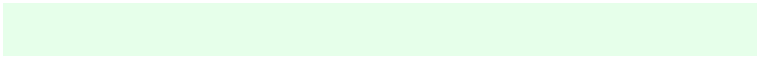
59.0261, 47.0083, 40.3506

Sweetspot

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



34.1310, 47.0103, 32.8670



83.1280, 94.2184, 91.8761



44.2505, 52.3333, 28.5383



17.4610, 20.0058, 19.1858



0.0000, 0.0000, 0.0000



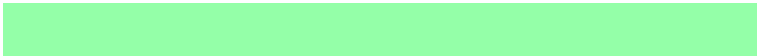
20.3446, 21.4041, 23.3091

Same Dimension

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



34.1310, 47.0103, 32.8670



55.0299, 80.6367, 49.7485



37.1000, 48.1979, 48.5015



10.5778, 11.9200, 11.7267



13.3768, 26.3631, 5.6626



0.6587, 1.2584, 0.4013

Inverse Universe

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



39.8974, 31.2100, 49.8219



66.7838, 48.3963, 84.2832



36.7140, 29.9366, 33.0584



10.9941, 10.7810, 12.9521



19.3410, 9.4860, 22.8035



0.9386, 0.4583, 1.1997

Previews

White Background



This preview shows how the XYZ color 34.1298, 47.0083, 32.8659 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 34.1298, 47.0083, 32.8659 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 34.1298, 47.0083, 32.8659

Background



This preview shows how black text looks on a background with the XYZ color 34.1298, 47.0083, 32.8659.

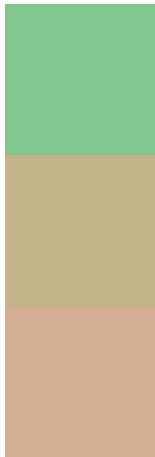


This preview shows how white text looks on a background with the XYZ color 34.1298, 47.0083,

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

34.1298, 47.0083, 32.8659

Protanopia

43.4027, 46.3991, 29.5900

Deuteranopia

47.2665, 46.2276, 34.0354



Tritanopia

40.5882, 46.9855, 64.6875

Trichromacy



Original Color

34.1298, 47.0083, 32.8659

Protanomaly

39.1524, 46.0336, 30.8666

Deuteranomaly

41.1004, 45.7351, 33.4496

Tritanomaly

37.8300, 46.8357, 51.3023

Monochromacy



Original Color

34.1298, 47.0083, 32.8659

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.5793, 42.6537, 39.5628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.1298, 47.0083, 32.8659 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(129, 198, 142)` looks like.

```
.text, #text, p{  
    color:rgb(129, 198, 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(129, 198, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 198, 142) }
```

Border

The CSS property to change the border of an element to XYZ 34.1298, 47.0083, 32.8659 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(129, 198, 142) }
```


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

```
.border{ border-color:rgb(129, 198, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 198, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 198, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 198, 142);  
box-shadow:4px 4px 4px 4px rgb(129, 198,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 34.1298, 47.0083, 32.8659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 198, 142) }
```

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

```
.background{ background-color: rgb(129,  
198, 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](#).

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