

# Converting Colors

XYZ(34.9815, 47.8738, 27.6481)

Have a look what the booklet for  
XYZ(34.9815, 47.8738, 27.6481)  
contains.

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# Color

**XYZ(34.9672, 47.8943,  
27.8236)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BC780
RGB	139, 199, 128
RGB Percent	55%, 78%, 50%
CMY	0.4549, 0.2196, 0.4980
CMYK	0.30, 0.00, 0.36, 0.22
HSL	111°, 39%, 64%
HSV	111°, 36%, 78%
XYZ	34.9672, 47.8943, 27.8236
YIQ	172.9660, -12.9690, -34.8010

# Conversions

## Conversions Part 2

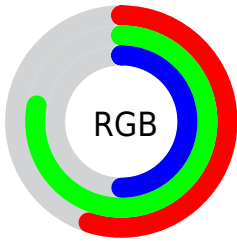
Format	Color
<a href="#">RYB</a>	<a href="#">128, 199, 188</a>
Decimal	<a href="#">9160576</a>
CIELab	<a href="#">74.76, -32.93, 29.56</a>
CIELCh	<a href="#">75, 44.253, 138.082</a>
Yxy	<a href="#">47.8943, 0.3159, 0.4327</a>
Android (android.graphics.Color)	<a href="#">4287350656 (0xFF8BC780)</a>
YUV	<a href="#">172.9660, -22.1682, -29.7882</a>
Hunter-Lab	<a href="#">69.2057, -30.9202, 24.6069</a>

# Details

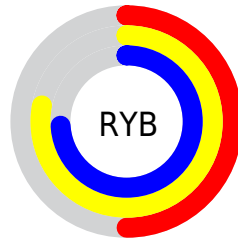
The XYZ color **34.9672, 47.8943, 27.8236** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.7690, 30.2546, 57.8317**, and the grayscale version is **39.8184, 41.8921, 45.6204**.

A 20% lighter version of the original color is **66.3486, 86.3255, 56.8816**, and **15.3383, 22.7793, 10.7962** is the 20% darker color. If you saturate the color by 10%, you get **31.1886, 46.0846, 21.4671**, and if you desaturate by 10%, it is **39.4372, 50.0336, 35.5554**.

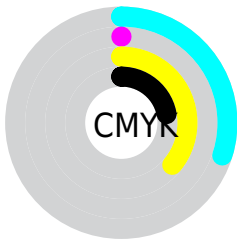
# Distribution



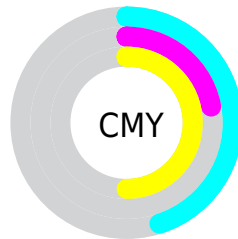
- Red (55%)
- Green (78%)
- Blue (50%)



- Red (50%)
- Yellow (78%)
- Blue (74%)



- Cyan (30%)
- Magenta (0%)
- Yellow (36%)
- Black (22%)



- Cyan (45%)
- Magenta (22%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9672, 47.8943, 27.8236 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 34.9672, 47.8943, 27.8236 by changing the saturation by 10% instead.





 34.9672, 47.8943,  
27.8236


 34.9672, 47.8943,  
27.8236


315.9341,  
378.3730, 305.5084


 23.8040, 33.7432,  
17.9548


 66.7693, 87.0470,  
57.2224

 15.3122, 22.6964,  
10.7485


 88.1389, 112.8174,  
77.5895

 9.1266, 14.3695,  
5.7859

 113.6414,  
143.2297, 102.2932

 4.8816, 8.3781,  
2.6487

143.6421,  
178.6682, 131.7519

 2.2120, 4.3378,  
0.9174

178.5064,  
219.5174, 166.3843

 0.7491, 1.8643,  
0.0000

218.5995,

 0.0000, 0.5268,

266.1617, 206.6088

0.0000

264.2870,  
318.9854, 252.8440

■ 0.0000, 0.0000,  
0.0000

■ 34.9672, 47.8943,  
27.8236

■ 34.9672, 47.8943,  
27.8236

■ 31.1886, 46.0846,  
21.4671

■ 39.4372, 50.0336,  
35.5554

■ 28.0629, 44.5821,  
16.4024

■ 44.6271, 52.5113,  
44.7331

■ 25.5536, 43.3713,  
12.5418


■ 50.5685, 55.3437,  
55.4265

■ 23.6186, 42.4328,  
9.7853


■ 57.2898, 58.5440,  
67.6998


■ 22.2108, 41.7447,  
8.0172

■ 64.8180, 62.1248,  
81.6133

 21.2743, 41.2814,  
7.0938

 73.1788, 66.0980,  
97.2245

 20.9843, 41.1374,  
6.8343

 79.7144, 69.3287,  
103.7881

# Harmonies

## Analogous

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



40.8936, 47.8943, 20.3837



34.9672, 47.8943, 27.8236



32.0178, 47.8943, 43.5350

# Triad

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



34.9672, 47.8943, 27.8236



42.4057, 47.8943, 108.5225



61.8437, 47.8943, 39.5866

# Complementary

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



34.9672, 47.8943, 27.8236



38.7690, 30.2546, 57.8317

# 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.



62.3725, 47.8943, 61.8298



34.9672, 47.8943, 27.8236



50.4873, 47.8943, 106.5279

# Square

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



34.9672, 47.8943, 27.8236



35.9616, 47.8943, 92.4845



58.0122, 47.8943, 87.6429



56.6425, 47.8943, 25.6689

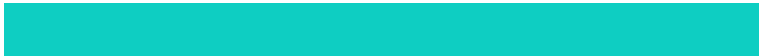


# Rectangle

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



34.9672, 47.8943, 27.8236



31.8759, 47.8943, 58.6195



58.0122, 47.8943, 87.6429



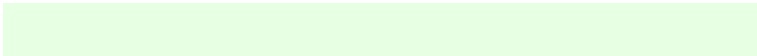
62.5943, 47.8943, 46.1727

# Sweetspot

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



34.9684, 47.8963, 27.8247



82.6686, 94.1014, 86.4432



45.2572, 49.3142, 27.5561



17.3928, 19.9977, 17.9605



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

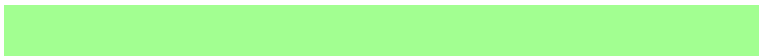


# Same Dimension

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



34.9684, 47.8963, 27.8247



55.8666, 81.2918, 39.6762



34.9672, 47.6942, 36.9269



10.6479, 11.9654, 11.3111



13.5406, 26.4757, 4.3967



0.6911, 1.2794, 0.2105



# Inverse Universe

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



38.7690, 30.2546, 57.8317



63.4935, 45.7575, 100.0933



39.0447, 30.6899, 44.5969



10.9155, 10.7302, 13.4133



17.0965, 8.0478, 35.3967



0.8543, 0.4041, 1.6781



# Previews

## White Background



This preview shows how the XYZ color 34.9672, 47.8943, 27.8236 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 34.9672, 47.8943, 27.8236 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 34.9672, 47.8943, 27.8236**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9672, 47.8943, 27.8236.



This preview shows how white text looks on a background with the XYZ color 34.9672, 47.8943,



# 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

34.9672, 47.8943, 27.8236

### Protanopia

43.9995, 47.4142, 25.2452

### Deuteranopia

48.3742, 47.4958, 28.8083



## Tritanopia

42.3818, 47.9101, 64.7714

# Trichromacy



## Original Color

34.9672, 47.8943, 27.8236



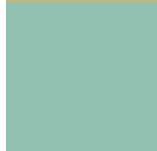
## Protanomaly

39.9671, 47.1975, 26.0723



## Deuteranomaly

42.2235, 46.7385, 28.2687



## Tritanomaly

39.0384, 47.5173, 48.7092

# Monochromacy



## Original Color

34.9672, 47.8943, 27.8236



## Achromatopsia

39.7200, 41.7885, 45.5077



## Achromatomaly

37.5117, 43.4673, 38.3112

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9672, 47.8943, 27.8236 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(139, 199, 128)` looks like.

```
.text, #text, p{  
    color:rgb(139, 199, 128)  
}
```

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(139, 199, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 199, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9672, 47.8943, 27.8236 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".

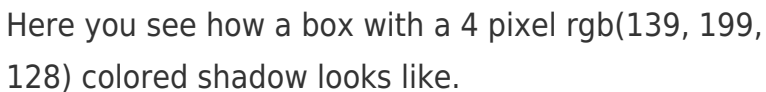
```
.border, #border, table{ border:4px solid rgb(139, 199, 128) }
```



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

```
.border{ border-color:rgb(139, 199, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(139, 199, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(139, 199, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(139, 199, 128); box-shadow:4px 4px 4px 4px rgb(139, 199, 128) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9672, 47.8943, 27.8236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 199, 128) }
```

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

```
.background{ background-color: rgb(139,  
199, 128) }
```

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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