

Converting Colors

XYZ(34.7892, 43.3485, 47.1571)

Have a look what the booklet for
XYZ(34.7892, 43.3485, 47.1571)
contains.

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Color

**XYZ(34.8683, 43.4611,
47.1085)**

Conversions

Conversions Part 1

Format	Color
Hex	83BBAF
RGB	131, 187, 175
RGB Percent	51%, 73%, 69%
CMY	0.4863, 0.2667, 0.3137
CMYK	0.30, 0.00, 0.06, 0.27
HSL	167°, 29%, 62%
HSV	167°, 30%, 73%
XYZ	34.8683, 43.4611, 47.1085
YIQ	168.8880, -29.5240, -15.6040

Conversions

Conversions Part 2

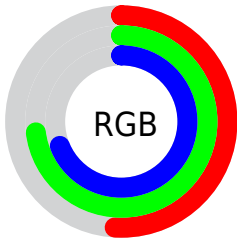
Format	Color
RYB	131, 162, 187
Decimal	8633263
CIELab	71.87, -20.80, 0.23
CIELCh	72, 20.805, 179.372
Yxy	43.4611, 0.2780, 0.3465
Android (android.graphics.Color)	4286823343 (0xFF83BBAF)
YUV	168.8880, 3.0132, -33.2278
Hunter-Lab	65.9250, -20.9587, 3.7803

Details

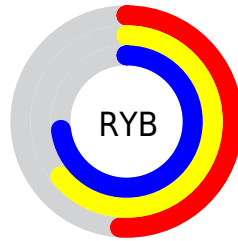
The XYZ color **34.8683, 43.4611, 47.1085** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.5693, 28.7818, 29.7746**, and the grayscale version is **37.6538, 39.6147, 43.1404**.

A 20% lighter version of the original color is **66.3411, 80.1286, 86.8327**, and **15.3247, 20.1425, 21.8191** is the 20% darker color. If you saturate the color by 10%, you get **31.8418, 41.9468, 44.9431**, and if you desaturate by 10%, it is **38.4318, 45.2531, 49.3619**.

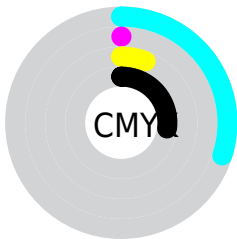
Distribution



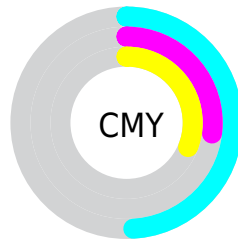
- Red (51%)
- Green (73%)
- Blue (69%)



- Red (51%)
- Yellow (64%)
- Blue (73%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (27%)



- Cyan (49%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8683, 43.4611, 47.1085 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 34.8683, 43.4611, 47.1085 by changing the saturation by 10% instead.

■ 34.8683, 43.4611,
47.1085

■ 34.8683, 43.4611,
47.1085

315.5048,
360.5046, 391.6537

■ 23.7275, 30.2471,
32.7665

■ 66.6171, 80.4062,
87.2272

■ 15.2552, 20.0262,
21.6780

■ 87.9557, 104.9061,
113.8410

■ 9.0862, 12.4141,
13.4244

■ 113.4244,
133.9367, 145.3825

■ 4.8550, 7.0263,
7.5873

143.3883,
167.8824, 182.2702

■ 2.1963, 3.4786,
3.7481

178.2130,
207.1277, 224.9226

■ 0.7408, 1.3864,
1.4882

218.2638,

■ 0.0000, 0.2067,

252.0569, 273.7583

0.2091

263.9059,
303.0544, 329.1958

■ 0.0000, 0.0000,
0.0000

■ 34.8683, 43.4611,
47.1085

■ 34.8683, 43.4611,
47.1085

■ 31.8418, 41.9468,
44.9431

■ 38.4318, 45.2531,
49.3619

■ 29.3202, 40.6903,
42.8609

■ 42.5545, 47.3309,
51.7020

■ 27.2739, 39.6776,
40.8609

■ 47.2623, 49.7090,
54.1316

■ 25.6686, 38.8909,
38.9410

■ 52.5779, 52.3990,
56.6521

■ 24.4653, 38.3101,
37.0987

■ 58.5230, 55.4121,
59.2651

■ 23.6179, 37.9115,
35.3314

■ 65.1184, 58.7591,
61.9720

■ 23.0346, 37.6477,
33.6343

■ 69.7973, 61.1167,
64.6533

■ 23.0316, 37.6464,
33.6254

■ 70.2815, 61.3103,
67.2027

■ 70.7780, 61.5090,
69.8176

Harmonies

Analogous

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



35.7231, 43.4611, 38.0678



34.8683, 43.4611, 47.1085



35.6554, 43.4611, 57.5431

Triad

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



34.8683, 43.4611, 47.1085



44.7383, 43.4611, 66.4266



44.8746, 43.4611, 32.4495

Complementary

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



34.8683, 43.4611, 47.1085



33.5693, 28.7818, 29.7746

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.



47.5295, 43.4611, 38.3887



34.8683, 43.4611, 47.1085



47.4477, 43.4611, 57.9656

Square

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



34.8683, 43.4611, 47.1085



41.2339, 43.4611, 69.6170



48.4965, 43.4611, 47.5356



41.3831, 43.4611, 30.3810

Rectangle

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



34.8683, 43.4611, 47.1085



37.0324, 43.4611, 63.7147



48.4965, 43.4611, 47.5356



45.9017, 43.4611, 34.0134

Sweetspot

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



34.8695, 43.4629, 47.1095



76.8480, 85.0870, 92.9368



33.2192, 43.0327, 28.0289



16.6683, 18.6090, 20.3285



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



34.8695, 43.4629, 47.1095



58.7466, 75.9836, 81.7779



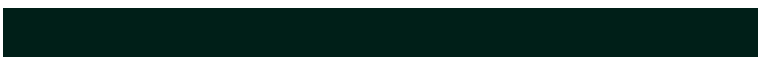
32.9192, 37.5910, 52.5365



9.7186, 10.7736, 11.7678



15.8957, 25.9486, 23.3112



0.6449, 1.0253, 1.0304

Inverse Universe

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



33.5693, 28.7818, 29.7746



56.0456, 45.4230, 45.7206



35.0047, 33.0309, 26.0042



9.6116, 9.5689, 10.3438



14.4073, 7.3941, 2.1725



0.5890, 0.2995, 0.2151

Previews

White Background



This preview shows how the XYZ color 34.8683, 43.4611, 47.1085 looks on a white background.

Color Contrast Check

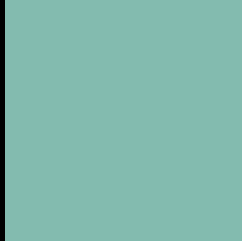
Large Text (above 18pt) WCAG AA × Fail

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 34.8683, 43.4611, 47.1085 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

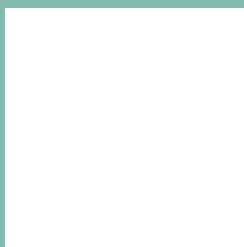
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.8683, 43.4611, 47.1085

Background



This preview shows how black text looks on a background with the XYZ color 34.8683, 43.4611, 47.1085.



This preview shows how white text looks on a background with the XYZ color 34.8683, 43.4611,

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

34.8683, 43.4611, 47.1085

Protanopia

41.2202, 43.1904, 43.2098

Deuteranopia

43.9973, 43.0805, 48.6443



Tritanopia

37.4869, 43.5924, 59.8645

Trichromacy



Original Color

34.8683, 43.4611, 47.1085

Protanomaly

38.3711, 42.8619, 44.7789

Deuteranomaly

39.9234, 42.7000, 48.2572

Tritanomaly

36.4747, 43.4840, 55.1860

Monochromacy



Original Color

34.8683, 43.4611, 47.1085

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

36.3936, 40.9595, 44.5159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8683, 43.4611, 47.1085 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(131, 187, 175)` looks like.

```
.text, #text, p{  
    color:rgb(131, 187, 175)  
}
```

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(131, 187, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 187, 175) }
```

Border

The CSS property to change the border of an element to XYZ 34.8683, 43.4611, 47.1085 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(131, 187, 175) }
```


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

```
.border{ border-color:rgb(131, 187, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 187, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 187, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 187, 175);  
box-shadow:4px 4px 4px 4px rgb(131, 187,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8683, 43.4611, 47.1085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 187, 175) }
```

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

```
.background{ background-color: rgb(131,  
187, 175) }
```

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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