

Converting Colors

XYZ(31.9018, 42.4485, 35.8894)

Have a look what the booklet for
XYZ(31.9018, 42.4485, 35.8894)
contains.

XYZ(31.8813, 42.4859, 35.7984)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.8813, 42.4859,
35.7984)**

Conversions

Conversions Part 1

Format	Color
Hex	7CBC97
RGB	124, 188, 151
RGB Percent	49%, 74%, 59%
CMY	0.5137, 0.2627, 0.4078
CMYK	0.34, 0.00, 0.20, 0.26
HSL	145°, 32%, 61%
HSV	145°, 34%, 74%
XYZ	31.8813, 42.4859, 35.7984
YIQ	164.6460, -26.2670, -25.0750

Conversions

Conversions Part 2

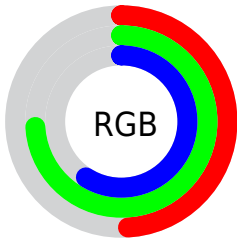
Format	Color
RYB	124, 169, 188
Decimal	8174743
CIELab	71.20, -28.48, 12.32
CIELCh	71, 31.026, 156.614
Yxy	42.4859, 0.2894, 0.3857
Android (android.graphics.Color)	4286364823 (0xFF7CBC97)
YUV	164.6460, -6.7275, -35.6465
Hunter-Lab	65.1812, -26.7596, 13.0640

Details

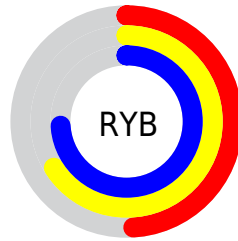
The XYZ color **31.8813, 42.4859, 35.7984** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.3811, 27.6808, 37.2508**, and the grayscale version is **35.6358, 37.4916, 40.8283**.

A 20% lighter version of the original color is **62.0320, 79.1776, 69.7710**, and **13.4978, 19.3480, 15.0797** is the 20% darker color. If you saturate the color by 10%, you get **28.5768, 40.8808, 31.2468**, and if you desaturate by 10%, it is **35.7875, 44.3941, 40.8049**.

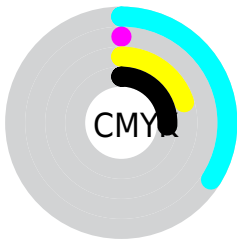
Distribution



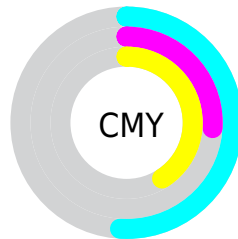
- Red (49%)
- Green (74%)
- Blue (59%)



- Red (49%)
- Yellow (66%)
- Blue (74%)



- Cyan (34%)
- Magenta (0%)
- Yellow (20%)
- Black (26%)





- Cyan (51%)
- Magenta (26%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8813, 42.4859, 35.7984 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 31.8813, 42.4859, 35.7984 by changing the saturation by 10% instead.


 31.8813, 42.4859,
35.7984


 31.8813, 42.4859,
35.7984


302.3331,
356.4932, 343.0892


 21.4260, 29.4820,
23.9901


 61.9914, 78.9345,
69.8863

 13.5500, 19.4457,
15.1141

 82.3769, 103.1479,
93.0030

 7.8879, 11.9928,
8.7520


 106.8031,
131.8666, 120.7262

 4.0745, 6.7388,
4.4852

135.6355,
165.4750, 153.4745

 1.7444, 3.2993,
1.8951

169.2393,
204.3575, 191.6664

 0.4838, 1.2899,
0.4896

207.9799,

 0.0000, 0.1334,

248.8984, 235.7205

0.0000

252.2227,
299.4822, 286.0553

■ 0.0000, 0.0000,
0.0000

■ 31.8813, 42.4859,
35.7984

■ 31.8813, 42.4859,
35.7984

■ 28.5768, 40.8808,
31.2468

■ 35.7875, 44.3941,
40.8049

■ 25.8387, 39.5575,
27.1342

■ 40.3213, 46.6149,
46.2758

■ 23.6336, 38.5001,
23.4481

■ 45.5111, 49.1641,
52.2238

■ 21.9226, 37.6887,
20.1743

■ 51.3825, 52.0545,
58.6605

■ 20.6611, 37.1007,
17.2974

■ 57.9599, 55.2986,
65.5968

■ 19.7958, 36.7090,
14.8012

■ 65.2663, 58.9079,
73.0433

■ 19.4067, 36.5371,
13.4862

■ 73.1010, 62.7789,
81.0001

■ 74.6501, 63.3985,
89.1572

■ 76.2956, 64.0567,
97.8221

Harmonies

Analogous

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



34.7065, 42.4859, 26.8703



31.8813, 42.4859, 35.7984



31.2408, 42.4859, 49.6373

Triad

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



31.8813, 42.4859, 35.7984



41.5443, 42.4859, 80.9368



48.9515, 42.4859, 31.1957

Complementary

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



31.8813, 42.4859, 35.7984



34.3811, 27.6808, 37.2508

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.



51.1512, 42.4859, 43.0393



31.8813, 42.4859, 35.7984



46.6439, 42.4859, 73.2645

Square

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



31.8813, 42.4859, 35.7984



36.5411, 42.4859, 77.8380



50.2725, 42.4859, 58.5836



44.4821, 42.4859, 24.6389

Rectangle

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



31.8813, 42.4859, 35.7984



32.0851, 42.4859, 60.3114



50.2725, 42.4859, 58.5836



49.9976, 42.4859, 34.5803

Sweetspot

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



31.8824, 42.4877, 35.7994



76.5781, 86.1991, 87.9423



36.3880, 45.0354, 25.8441



16.1902, 18.4004, 18.5906



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.



31.8824, 42.4877, 35.7994



53.1145, 74.7303, 58.5115



34.8094, 43.6584, 51.2123



9.5713, 10.7146, 10.9918



13.2480, 24.8895, 9.3684



0.5517, 0.9880, 0.5393

Inverse Universe

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



34.3811, 27.6808, 37.2508



58.3403, 43.7402, 61.5301



31.9326, 26.7014, 24.3567



9.7551, 9.6264, 11.0995



16.0260, 8.0416, 10.6966



0.6598, 0.3278, 0.5876

Previews

White Background



This preview shows how the XYZ color 31.8813, 42.4859, 35.7984 looks on a white background.

Color Contrast Check

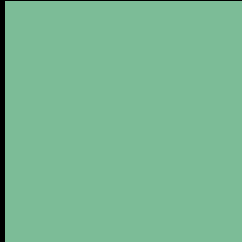
Large Text (above 18pt) WCAG AA × Fail

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 31.8813, 42.4859, 35.7984 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 31.8813, 42.4859, 35.7984

Background



This preview shows how black text looks on a background with the XYZ color 31.8813, 42.4859, 35.7984.



This preview shows how white text looks on a background with the XYZ color 31.8813, 42.4859,

35.7984.

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

31.8813, 42.4859, 35.7984

Protanopia

39.5061, 41.9680, 32.4040

Deuteranopia

42.7611, 41.8743, 36.8391



Tritanopia

36.5233, 42.5098, 58.5048

Trichromacy



Original Color

31.8813, 42.4859, 35.7984

Protanomaly

36.0871, 41.6288, 33.7369

Deuteranomaly

37.7403, 41.5391, 36.6006

Tritanomaly

34.5846, 42.3221, 49.5262

Monochromacy



Original Color

31.8813, 42.4859, 35.7984

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

33.8664, 38.9092, 38.9830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8813, 42.4859, 35.7984 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(124, 188, 151)` looks like.

```
.text, #text, p{  
    color:rgb(124, 188, 151)  
}
```

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(124, 188, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 188, 151) }
```

Border

The CSS property to change the border of an element to XYZ 31.8813, 42.4859, 35.7984 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(124, 188, 151) }
```


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

```
.border{ border-color:rgb(124, 188, 151) }
```

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

Here you see how a box with a 4 pixel rgb(124, 188, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 188, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 188, 151);  
box-shadow:4px 4px 4px 4px rgb(124, 188,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8813, 42.4859, 35.7984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 188, 151) }
```

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

```
.background{ background-color: rgb(124,  
188, 151) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor