

Converting Colors

XYZ(23.5070, 33.2078, 34.8338)

Have a look what the booklet for
XYZ(23.5070, 33.2078, 34.8338)
contains.

XYZ(23.4549, 33.0551, 34.8498)	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(23.4549, 33.0551,
34.8498)**

Conversions

Conversions Part 1

Format	Color
Hex	4FAB98
RGB	79, 171, 152
RGB Percent	31%, 67%, 60%
CMY	0.6902, 0.3294, 0.4039
CMYK	0.54, 0.00, 0.11, 0.33
HSL	168°, 37%, 49%
HSV	168°, 54%, 67%
XYZ	23.4549, 33.0551, 34.8498
YIQ	141.3260, -48.7330, -25.4130

Conversions

Conversions Part 2

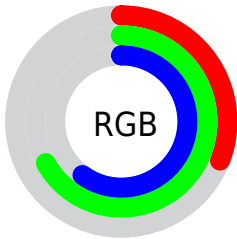
Format	Color
RYB	79, 130, 171
Decimal	5221272
CIELab	64.21, -32.09, 1.48
CIELCh	64, 32.129, 177.364
Yxy	33.0551, 0.2567, 0.3618
Android (android.graphics.Color)	4283411352 (0xFF4FAB98)
YUV	141.3260, 5.2623, -54.6599
Hunter-Lab	57.4936, -27.7934, 4.3068

Details

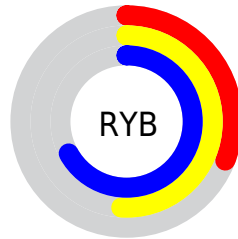
The XYZ color **23.4549, 33.0551, 34.8498** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.7964, 15.1327, 13.3288**, and the grayscale version is **25.4400, 26.7648, 29.1469**.

A 20% lighter version of the original color is **48.6013, 64.5453, 68.2894**, and **8.9150, 13.9416, 14.5331** is the 20% darker color. If you saturate the color by 10%, you get **21.9266, 32.3010, 33.2912**, and if you desaturate by 10%, it is **25.3596, 34.0039, 36.4725**.

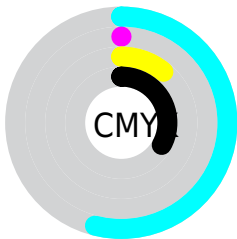
Distribution



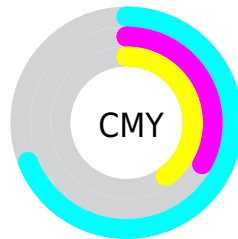
- Red (31%)
- Green (67%)
- Blue (60%)



- Red (31%)
- Yellow (51%)
- Blue (67%)



- Cyan (54%)
- Magenta (0%)
- Yellow (11%)
- Black (33%)





- Cyan (69%)
- Magenta (33%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4549, 33.0551, 34.8498 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 23.4549, 33.0551, 34.8498 by changing the saturation by 10% instead.


 23.4549, 33.0551,
34.8498


 23.4549, 33.0551,
34.8498


262.5448,
315.8979, 338.7890


 15.0523, 22.1687,
23.2646


 48.6004, 64.4615,
68.4019


 8.9427, 13.9809,
14.5819


 66.0740, 85.7503,
91.2059


 4.7606, 8.1074,
8.3831


 87.3019, 111.2754,
118.5866

 2.1408, 4.1637,
4.2498

 112.6496,
141.4210, 150.9625

 0.7113, 1.7656,
1.7633

 142.4824,
176.5717, 188.7521

 0.0000, 0.4656,
0.4036

177.1656,

 0.0000, 0.0000,

217.1119, 232.3741

0.0000

217.0647,
263.4258, 282.2468

■ 23.4549, 33.0551,
34.8498

■ 23.4549, 33.0551,
34.8498

■ 21.9266, 32.3010,
33.2912

■ 25.3596, 34.0039,
36.4725

■ 20.7430, 31.7228,
31.7926

■ 27.6635, 35.1567,
38.1584

■ 19.8722, 31.3048,
30.3528

■ 30.3910, 36.5268,
39.9099

■ 19.2746, 31.0267,
28.9696

■ 33.5636, 38.1254,
41.7284

■ 18.9849, 30.8955,
28.1376

■ 37.2015, 39.9628,
43.6151

■ 41.3234, 42.0487,
45.5713

■ 45.9471, 44.3922,
47.5982

■ 51.0896, 47.0021,
49.6969

■ 56.7668, 49.8867,
51.8685

Harmonies

Analogous

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



24.6037, 33.0551, 24.0866



23.4549, 33.0551, 34.8498



24.2630, 33.0551, 48.7972

Triad

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



23.4549, 33.0551, 34.8498



35.6185, 33.0551, 63.1841



36.3826, 33.0551, 18.7296

Complementary

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



23.4549, 33.0551, 34.8498



21.7964, 15.1327, 13.3288

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.



39.8569, 33.0551, 25.6483



23.4549, 33.0551, 34.8498



39.3867, 33.0551, 51.2866

Square

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



23.4549, 33.0551, 34.8498



31.0167, 33.0551, 67.3174



41.0055, 33.0551, 37.1576



31.8225, 33.0551, 16.2977

Rectangle

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



23.4549, 33.0551, 34.8498



25.8504, 33.0551, 57.7808



41.0055, 33.0551, 37.1576



37.7323, 33.0551, 20.5108

Sweetspot

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



23.4558, 33.0564, 34.8506



58.6212, 67.5280, 73.9107



21.1136, 32.3406, 12.5274



12.8150, 14.9291, 16.3369



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.4558, 33.0564, 34.8506



38.7163, 57.5765, 58.9804



20.6914, 24.8342, 42.2325



8.1644, 9.0433, 9.8907



14.3307, 23.2975, 21.3129



0.4163, 0.6552, 0.6858

Inverse Universe

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



21.7964, 15.1327, 13.3288



35.4543, 21.9754, 16.4022



23.2654, 19.3403, 9.9047



8.0704, 8.0414, 8.6815



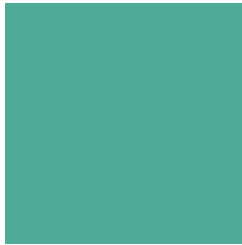
12.9090, 6.6261, 1.9001



0.3782, 0.1920, 0.1532

Previews

White Background



This preview shows how the XYZ color 23.4549, 33.0551, 34.8498 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 23.4549, 33.0551, 34.8498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

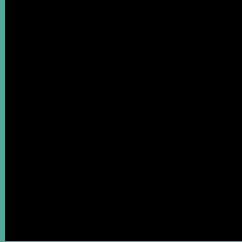
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.4549, 33.0551, 34.8498

Background



This preview shows how black text looks on a background with the XYZ color 23.4549, 33.0551, 34.8498.

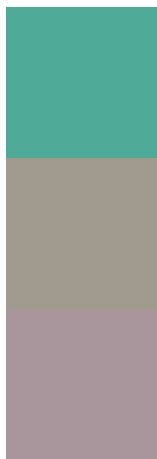


This preview shows how white text looks on a background with the XYZ color 23.4549, 33.0551,

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

23.4549, 33.0551, 34.8498

Protanopia

31.0107, 32.5680, 30.6384

Deuteranopia

33.3543, 32.6820, 36.4486



Tritanopia

26.0814, 33.0074, 48.1765

Trichromacy



Original Color

23.4549, 33.0551, 34.8498

Protanomaly

27.1192, 32.0422, 31.9496

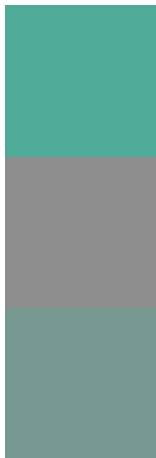
Deuteranomaly

28.2966, 32.0545, 35.7061

Tritanomaly

25.0046, 32.8388, 43.0509

Monochromacy



Original Color

23.4549, 33.0551, 34.8498

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.8103, 28.3524, 31.0057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4549, 33.0551, 34.8498 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(79, 171, 152)` looks like.

```
.text, #text, p{  
    color:rgb(79, 171, 152)  
}
```

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(79, 171, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 171, 152) }
```

Border

The CSS property to change the border of an element to XYZ 23.4549, 33.0551, 34.8498 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(79, 171, 152) }
```


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

```
.border{ border-color:rgb(79, 171, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 171, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 171, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 171, 152);  
box-shadow:4px 4px 4px 4px rgb(79, 171,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4549, 33.0551, 34.8498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 171, 152) }
```

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

```
.background{ background-color: rgb(79, 171,  
152) }
```

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