

Converting Colors

XYZ(23.4674, 33.0896, 33.5838)

Have a look what the booklet for
XYZ(23.4674, 33.0896, 33.5838)
contains.

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Color

**XYZ(23.4674, 33.0896,
33.5838)**

Conversions

Conversions Part 1

Format	Color
Hex	52AB95
RGB	82, 171, 149
RGB Percent	32%, 67%, 58%
CMY	0.6784, 0.3294, 0.4157
CMYK	0.52, 0.00, 0.13, 0.33
HSL	165°, 35%, 50%
HSV	165°, 52%, 67%
XYZ	23.4674, 33.0896, 33.5838
YIQ	141.8810, -45.9820, -25.7100

Conversions

Conversions Part 2

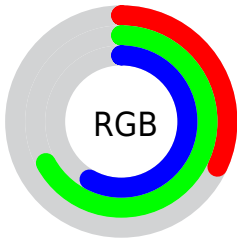
Format	Color
RYB	82, 133, 171
Decimal	5417877
CIELab	64.23, -32.16, 3.20
CIElCh	64, 32.318, 174.312
Yxy	33.0896, 0.2603, 0.3671
Android (android.graphics.Color)	4283607957 (0xFF52AB95)
YUV	141.8810, 3.5097, -52.5156
Hunter-Lab	57.5236, -27.8451, 5.6514

Details

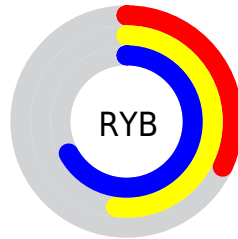
The XYZ color **23.4674, 33.0896, 33.5838** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.3117, 15.6929, 14.9510**, and the grayscale version is **25.6645, 27.0010, 29.4041**.

A 20% lighter version of the original color is **48.7298, 64.6532, 66.4109**, and **8.9142, 13.9579, 13.7796** is the 20% darker color. If you saturate the color by 10%, you get **21.8304, 32.2848, 31.7777**, and if you desaturate by 10%, it is **25.4890, 34.0929, 35.4733**.

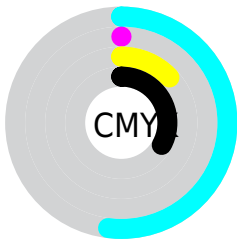
Distribution



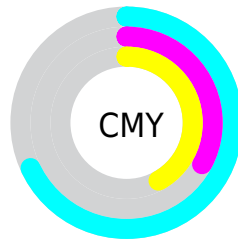
- Red (32%)
- Green (67%)
- Blue (58%)



- Red (32%)
- Yellow (52%)
- Blue (67%)



- Cyan (52%)
- Magenta (0%)
- Yellow (13%)
- Black (33%)



- Cyan (68%)
- Magenta (33%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4674, 33.0896, 33.5838 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 23.4674, 33.0896, 33.5838 by changing the saturation by 10% instead.

■ 23.4674, 33.0896,
33.5838

■ 23.4674, 33.0896,
33.5838

262.6074,
316.0533, 332.9846

■ 15.0616, 22.1951,
22.2993

■ 48.6207, 64.5154,
66.4124

■ 8.9492, 14.0003,
13.8766

■ 66.0989, 85.8155,
88.7936

■ 4.7649, 8.1209,
7.8971

■ 87.3320, 111.3529,
115.7107

■ 2.1433, 4.1724,
3.9423

■ 112.6852,
141.5119, 147.5823

■ 0.7126, 1.7705,
1.5938

142.5240,
176.6771, 184.8269

■ 0.0000, 0.4687,
0.2864

177.2138,

■ 0.0000, 0.0000,

217.2328, 227.8632

0.0000

217.1198,
263.5634, 277.1095

■ 23.4674, 33.0896,
33.5838

■ 23.4674, 33.0896,
33.5838

■ 21.8304, 32.2848,
31.7777

■ 25.4890, 34.0929,
35.4733

■ 20.5471, 31.6602,
30.0508

■ 27.9179, 35.3039,
37.4457

■ 19.5863, 31.2003,
28.4016

■ 30.7779, 36.7357,
39.5036

■ 18.9096, 30.8856,
26.8276

■ 34.0904, 38.3993,
41.6486

■ 18.5080, 30.7048,
25.6258

■ 37.8754, 40.3050,
43.8822

■ 42.1515, 42.4624,
46.2059

■ 46.9364, 44.8807,
48.6213

■ 52.2469, 47.5683,
51.1296

■ 58.0990, 50.5336,
53.7323

Harmonies

Analogous

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



24.8190, 33.0896, 23.2142



23.4674, 33.0896, 33.5838



24.0802, 33.0896, 47.4575

Triad

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



23.4674, 33.0896, 33.5838



35.2223, 33.0896, 64.2888



36.8799, 33.0896, 19.1647

Complementary

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



23.4674, 33.0896, 33.5838



22.3117, 15.6929, 14.9510

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.



40.1897, 33.0896, 26.6004



23.4674, 33.0896, 33.5838



39.1695, 33.0896, 52.8591

Square

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



23.4674, 33.0896, 33.5838



30.5849, 33.0896, 67.4510



41.0657, 33.0896, 38.5900



32.3326, 33.0896, 16.2902

Rectangle

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



23.4674, 33.0896, 33.5838



25.5540, 33.0896, 56.7048



41.0657, 33.0896, 38.5900



38.1911, 33.0896, 21.1110

Sweetspot

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



23.4683, 33.0909, 33.5846



58.4370, 67.4543, 72.9407



21.8249, 32.6944, 13.1436



12.7692, 14.9107, 16.0957



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.



23.4683, 33.0909, 33.5846



38.8254, 57.6860, 56.5786



21.5393, 26.1512, 42.4420



8.1504, 9.0377, 9.8172



13.9734, 23.1546, 19.4316



0.4088, 0.6522, 0.6461

Inverse Universe

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



22.3117, 15.6929, 14.9510



36.5604, 23.2090, 19.7879



23.2942, 19.2191, 10.4652



8.0834, 8.0466, 8.7501



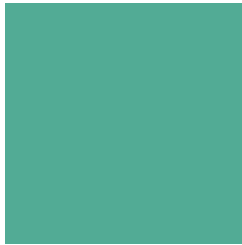
12.9976, 6.6616, 2.3670



0.3833, 0.1940, 0.1802

Previews

White Background



This preview shows how the XYZ color 23.4674, 33.0896, 33.5838 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 23.4674, 33.0896, 33.5838 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 23.4674, 33.0896, 33.5838

Background



This preview shows how black text looks on a background with the XYZ color 23.4674, 33.0896, 33.5838.

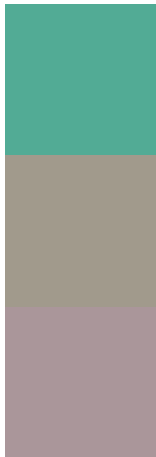


This preview shows how white text looks on a background with the XYZ color 23.4674, 33.0896,

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

23.4674, 33.0896, 33.5838

Protanopia

30.9872, 32.5817, 29.4666

Deuteranopia

33.3166, 32.6918, 35.1260



Tritanopia

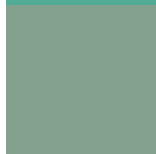
26.4706, 33.2080, 48.1947

Trichromacy



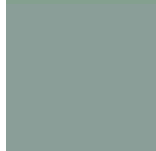
Original Color

23.4674, 33.0896, 33.5838



Protanomaly

27.0445, 32.0303, 30.7437



Deuteranomaly

28.3756, 32.1240, 34.4108



Tritanomaly

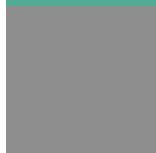
25.1886, 32.9445, 42.5675

Monochromacy



Original Color

23.4674, 33.0896, 33.5838



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.2478, 28.8199, 31.0729

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4674, 33.0896, 33.5838 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(82, 171, 149)` looks like.

```
.text, #text, p{  
    color:rgb(82, 171, 149)  
}
```

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(82, 171, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 171, 149) }
```

Border

The CSS property to change the border of an element to XYZ 23.4674, 33.0896, 33.5838 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(82, 171, 149) }
```


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

```
.border{ border-color:rgb(82, 171, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 171, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 171, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 171, 149);  
box-shadow:4px 4px 4px 4px rgb(82, 171,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4674, 33.0896, 33.5838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 171, 149) }
```

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

```
.background{ background-color: rgb(82, 171,  
149) }
```

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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