

Converting Colors

XYZ(23.5709, 32.3721, 34.4122)

Have a look what the booklet for
XYZ(23.5709, 32.3721, 34.4122)
contains.

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Color

**XYZ(23.5190, 32.2659,
34.2665)**

Conversions

Conversions Part 1

Format	Color
Hex	57A897
RGB	87, 168, 151
RGB Percent	34%, 66%, 59%
CMY	0.6588, 0.3412, 0.4078
CMYK	0.48, 0.00, 0.10, 0.34
HSL	167°, 32%, 50%
HSV	167°, 48%, 66%
XYZ	23.5190, 32.2659, 34.2665
YIQ	141.8430, -42.8190, -22.4590

Conversions

Conversions Part 2

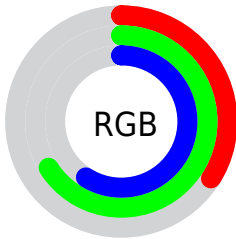
Format	Color
RYB	87, 132, 168
Decimal	5744791
CIELab	63.56, -29.04, 1.14
CIElCh	64, 29.058, 177.760
Yxy	32.2659, 0.2612, 0.3583
Android (android.graphics.Color)	4283934871 (0xFF57A897)
YUV	141.8430, 4.5144, -48.0973
Hunter-Lab	56.8031, -25.4985, 3.9954

Details

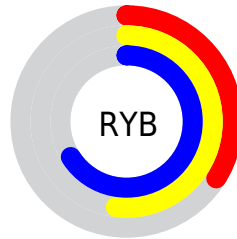
The XYZ color **23.5190, 32.2659, 34.2665** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.0564, 16.1415, 15.0509**, and the grayscale version is **25.6447, 26.9802, 29.3814**.

A 20% lighter version of the original color is **48.8304, 63.4699, 67.4349**, and **8.9099, 13.4284, 14.1789** is the 20% darker color. If you saturate the color by 10%, you get **21.8474, 31.4376, 32.7161**, and if you desaturate by 10%, it is **25.5660, 33.2884, 35.8806**.

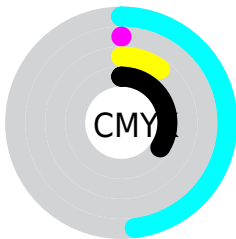
Distribution



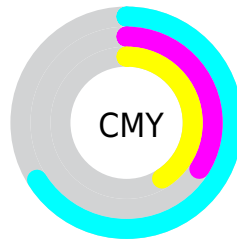
- Red (34%)
- Green (66%)
- Blue (59%)



- Red (34%)
- Yellow (52%)
- Blue (66%)



- Cyan (48%)
- Magenta (0%)
- Yellow (10%)
- Black (34%)



- Cyan (66%)
- Magenta (34%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5190, 32.2659, 34.2665 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 23.5190, 32.2659, 34.2665 by changing the saturation by 10% instead.

■ 23.5190, 32.2659,
34.2665

■ 23.5190, 32.2659,
34.2665

262.8654,
312.3287, 336.1241

■ 15.1000, 21.5647,
22.8194

■ 48.7045, 63.2277,
67.4865

■ 8.9764, 13.5374,
14.2562

■ 66.2018, 84.2571,
90.0965

■ 4.7828, 7.7996,
8.1583

■ 87.4558, 109.4980,
117.2645

■ 2.1538, 3.9670,
4.1072

■ 112.8320,
139.3347, 149.4091

■ 0.7182, 1.6551,
1.6843

142.6957,
174.1518, 186.9488

■ 0.0000, 0.3943,
0.3500

177.4123,

■ 0.0000, 0.0000,

214.3336, 230.3022

0.0000

217.3471,
260.2644, 279.8878

■ 23.5190, 32.2659,
34.2665

■ 23.5190, 32.2659,
34.2665

■ 21.8474, 31.4376,
32.7161

■ 25.5660, 33.2884,
35.8806

■ 20.5227, 30.7863,
31.2256

■ 28.0090, 34.5132,
37.5576

■ 19.5168, 30.2983,
29.7940

■ 30.8703, 35.9527,
39.2997

■ 18.7956, 29.9562,
28.4193

■ 34.1697, 37.6169,
41.1081

■ 18.3000, 29.7295,
27.0982

■ 37.9256, 39.5156,
42.9841

■ 18.2189, 29.6927,
26.8672

■ 42.1557, 41.6576,
44.9289

■ 46.8765, 44.0515,
46.9436

■ 52.1036, 46.7055,
49.0292

■ 57.8520, 49.6271,
51.1870

Harmonies

Analogous

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



24.5353, 32.2659, 24.5169



23.5190, 32.2659, 34.2665



24.2736, 32.2659, 46.5905

Triad

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



23.5190, 32.2659, 34.2665



34.4439, 32.2659, 58.8235



35.0174, 32.2659, 19.4296

Complementary

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



23.5190, 32.2659, 34.2665



22.0564, 16.1415, 15.0509

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.



38.0964, 32.2659, 25.7256



23.5190, 32.2659, 34.2665



37.7453, 32.2659, 48.4391

Square

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



23.5190, 32.2659, 34.2665



30.3640, 32.2659, 62.4965



39.1356, 32.2659, 36.0121



30.9735, 32.2659, 17.2120

Rectangle

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



23.5190, 32.2659, 34.2665



25.7200, 32.2659, 54.3884



39.1356, 32.2659, 36.0121



36.2125, 32.2659, 21.0600

Sweetspot

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



23.5199, 32.2672, 34.2672



58.2885, 66.3840, 72.5961



21.4969, 31.6708, 13.9974



12.4414, 14.3363, 15.6756



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.5199, 32.2672, 34.2672



39.4154, 56.9330, 59.1315



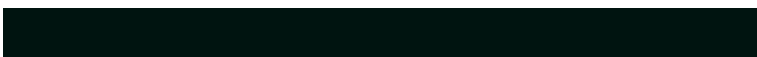
21.1323, 25.1206, 40.7823



7.6791, 8.5047, 9.2962



13.7767, 22.4294, 20.3885



0.3517, 0.5523, 0.5829

Inverse Universe

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



22.0564, 16.1415, 15.0509



36.4581, 24.1065, 20.1225



23.4403, 20.1549, 11.6722



7.5931, 7.5671, 8.1747



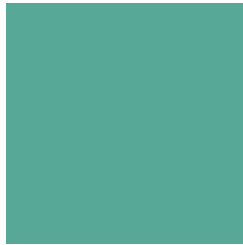
12.4426, 6.3857, 1.8761



0.3202, 0.1623, 0.1374

Previews

White Background



This preview shows how the XYZ color 23.5190, 32.2659, 34.2665 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 23.5190, 32.2659, 34.2665 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 23.5190, 32.2659, 34.2665

Background



This preview shows how black text looks on a background with the XYZ color 23.5190, 32.2659, 34.2665.

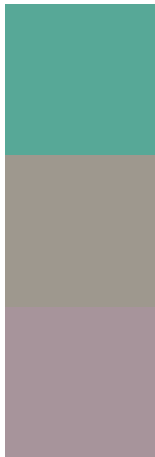


This preview shows how white text looks on a background with the XYZ color 23.5190, 32.2659,

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

23.5190, 32.2659, 34.2665

Protanopia

30.2113, 31.6786, 30.1135

Deuteranopia

32.4426, 31.7619, 35.4311



Tritanopia

25.9306, 32.1581, 46.4354

Trichromacy



Original Color

23.5190, 32.2659, 34.2665

Protanomaly

26.8534, 31.4036, 31.4342

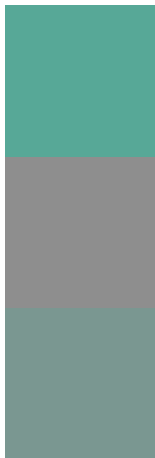
Deuteranomaly

28.0353, 31.1791, 35.1124

Tritanomaly

24.9366, 32.0127, 41.9106

Monochromacy



Original Color

23.5190, 32.2659, 34.2665

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.2035, 28.3151, 30.9778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5190, 32.2659, 34.2665 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(87, 168, 151)` looks like.

```
.text, #text, p{  
    color:rgb(87, 168, 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(87, 168, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 168, 151) }
```

Border

The CSS property to change the border of an element to XYZ 23.5190, 32.2659, 34.2665 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(87, 168, 151) }
```


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

```
.border{ border-color:rgb(87, 168, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 168, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 168, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 168, 151);  
box-shadow:4px 4px 4px 4px rgb(87, 168,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5190, 32.2659, 34.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 168, 151) }
```

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

```
.background{ background-color: rgb(87, 168,  
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](#).

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