

Converting Colors

XYZ(23.0651, 32.0312, 34.3030)

Have a look what the booklet for
XYZ(23.0651, 32.0312, 34.3030)
contains.

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Color

**XYZ(23.0682, 32.0335,
34.2454)**

Conversions

Conversions Part 1

Format	Color
Hex	52A897
RGB	82, 168, 151
RGB Percent	32%, 66%, 59%
CMY	0.6784, 0.3412, 0.4078
CMYK	0.51, 0.00, 0.10, 0.34
HSL	168°, 34%, 49%
HSV	168°, 51%, 66%
XYZ	23.0682, 32.0335, 34.2454
YIQ	140.3480, -45.7990, -23.5190

Conversions

Conversions Part 2

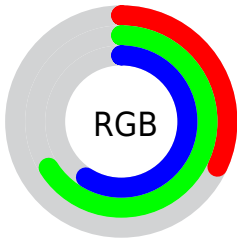
Format	Color
RYB	82, 130, 168
Decimal	5417111
CIELab	63.37, -30.23, 0.83
CIElCh	63, 30.241, 178.420
Yxy	32.0335, 0.2582, 0.3585
Android (android.graphics.Color)	4283607191 (0xFF52A897)
YUV	140.3480, 5.2514, -51.1712
Hunter-Lab	56.5981, -26.2940, 3.7446

Details

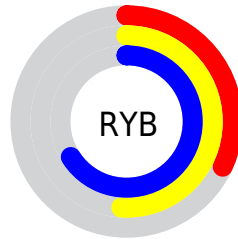
The XYZ color **23.0682, 32.0335, 34.2454** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.4189, 15.2611, 13.6223**, and the grayscale version is **25.0564, 26.3612, 28.7074**.

A 20% lighter version of the original color is **47.9916, 63.0375, 67.3956**, and **8.6804, 13.3102, 14.1682** is the 20% darker color. If you saturate the color by 10%, you get **21.5166, 31.2651, 32.7851**, and if you desaturate by 10%, it is **24.9869, 32.9918, 35.7640**.

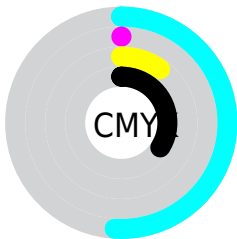
Distribution



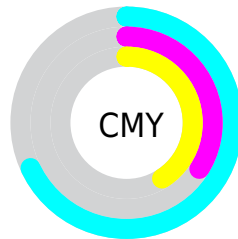
- Red (32%)
- Green (66%)
- Blue (59%)



- Red (32%)
- Yellow (51%)
- Blue (66%)



- Cyan (51%)
- Magenta (0%)
- Yellow (10%)
- Black (34%)



- Cyan (68%)
- Magenta (34%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0682, 32.0335, 34.2454 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 23.0682, 32.0335, 34.2454 by changing the saturation by 10% instead.

■ 23.0682, 32.0335,
34.2454

■ 23.0682, 32.0335,
34.2454

260.6039,
311.2718, 336.0274

■ 14.7648, 21.3871,
22.8033

■ 47.9711, 62.8636,
67.4534

■ 8.7398, 13.4072,
14.2444

■ 65.3014, 83.8161,
90.0563

■ 4.6276, 7.7096,
8.1502

■ 86.3714, 108.9727,
117.2166

■ 2.0629, 3.9097,
4.1020

■ 111.5464,
138.7179, 149.3528

■ 0.6689, 1.6232,
1.6815

■ 141.1918,
173.4360, 186.8834

■ 0.0000, 0.3731,
0.3480

175.6729,

■ 0.0000, 0.0000,

213.5114, 230.2270

0.0000

215.3552,
259.3286, 279.8022

■ 23.0682, 32.0335,
34.2454

■ 23.0682, 32.0335,
34.2454

■ 21.5166, 31.2651,
32.7851

■ 24.9869, 32.9918,
35.7640

■ 20.3027, 30.6692,
31.3792

■ 27.2940, 34.1486,
37.3401

■ 19.3971, 30.2313,
30.0267

■ 30.0121, 35.5165,
38.9757

■ 18.7639, 29.9331,
28.7258

■ 33.1616, 37.1059,
40.6721

■ 18.3616, 29.7498,
27.6187

■ 36.7613, 38.9264,
42.4306

■ 40.8291, 40.9873,
44.2521

■ 45.3816, 43.2972,
46.1379

■ 50.4349, 45.8643,
48.0890

■ 56.0041, 48.6964,
50.1063

Harmonies

Analogous

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



24.0736, 32.0335, 24.1171



23.0682, 32.0335, 34.2454



23.8838, 32.0335, 47.0820

Triad

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



23.0682, 32.0335, 34.2454



34.4534, 32.0335, 59.4237



34.8738, 32.0335, 18.6560

Complementary

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



23.0682, 32.0335, 34.2454



21.4189, 15.2611, 13.6223

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.



38.1140, 32.0335, 24.9909



23.0682, 32.0335, 34.2454



37.8561, 32.0335, 48.4436

Square

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



23.0682, 32.0335, 34.2454



30.2248, 32.0335, 63.4751



39.2518, 32.0335, 35.5204



30.6700, 32.0335, 16.4948

Rectangle

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



23.0682, 32.0335, 34.2454



25.3967, 32.0335, 55.1925



39.2518, 32.0335, 35.5204



36.1257, 32.0335, 20.2840

Sweetspot

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



23.0691, 32.0348, 34.2461



57.7426, 66.1034, 72.5315



20.6940, 31.2797, 12.9300



12.3347, 14.2812, 15.6735



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.



23.0691, 32.0348, 34.2461



38.8135, 56.6195, 59.2496



20.2513, 24.0277, 40.6177



7.6830, 8.5063, 9.3170



13.8837, 22.4722, 20.9520



0.3536, 0.5531, 0.5928

Inverse Universe

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



21.4189, 15.2611, 13.6223



35.5170, 22.8562, 17.8611



23.0140, 19.6180, 10.5568



7.5895, 7.5657, 8.1555



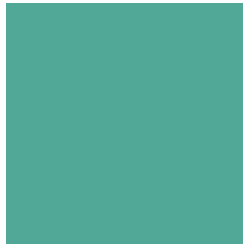
12.4194, 6.3765, 1.7542



0.3188, 0.1618, 0.1302

Previews

White Background



This preview shows how the XYZ color 23.0682, 32.0335, 34.2454 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 23.0682, 32.0335, 34.2454 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 23.0682, 32.0335, 34.2454

Background



This preview shows how black text looks on a background with the XYZ color 23.0682, 32.0335, 34.2454.

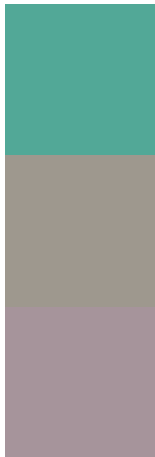


This preview shows how white text looks on a background with the XYZ color 23.0682, 32.0335,

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

23.0682, 32.0335, 34.2454

Protanopia

30.2113, 31.6786, 30.1135

Deuteranopia

32.2322, 31.6534, 35.4212



Tritanopia

25.4277, 31.8989, 46.4119

Trichromacy



Original Color

23.0682, 32.0335, 34.2454

Protanomaly

26.5436, 31.2439, 31.4197

Deuteranomaly

27.5458, 30.9267, 35.0895

Tritanomaly

24.4535, 31.7637, 41.8880

Monochromacy



Original Color

23.0682, 32.0335, 34.2454

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.5481, 27.7482, 30.5004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0682, 32.0335, 34.2454 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, 168, 151)` looks like.

```
.text, #text, p{  
    color:rgb(82, 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(82, 168, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 168, 151) }
```

Border

The CSS property to change the border of an element to XYZ 23.0682, 32.0335, 34.2454 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, 168, 151) }
```


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

```
.border{ border-color:rgb(82, 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(82, 168, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 168, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 168, 151);  
box-shadow:4px 4px 4px 4px rgb(82, 168,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0682, 32.0335, 34.2454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 168, 151) }
```

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

```
.background{ background-color: rgb(82, 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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