

Converting Colors

XYZ(23.6222, 39.3455, 32.2254)

Have a look what the booklet for
XYZ(23.6222, 39.3455, 32.2254)
contains.

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Color

**XYZ(23.5887, 39.2448,
32.3183)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF8F
RGB	0, 191, 143
RGB Percent	0%, 75%, 56%
CMY	0.9999, 0.2510, 0.4392
CMYK	1.00, 0.00, 0.25, 0.25
HSL	165°, 100%, 37%
HSV	165°, 100%, 75%
XYZ	23.5887, 39.2448, 32.3183
YIQ	128.4190, -98.4280, -55.4200

Conversions

Conversions Part 2

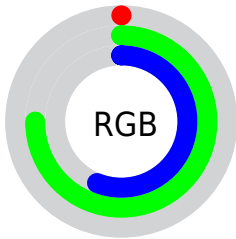
Format	Color
RYB	0, 109, 191
Decimal	49039
CIELab	68.93, -51.86, 13.02
CIELCh	69, 53.465, 165.909
Yxy	39.2448, 0.2479, 0.4124
Android (android.graphics.Color)	4278239119 (0xFF00BF8F)
YUV	128.4190, 7.1884, -112.6235
Hunter-Lab	62.6457, -42.4172, 13.2648

Details

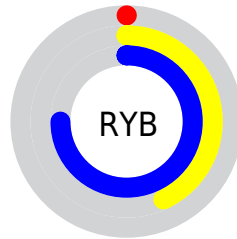
The XYZ color **23.5887, 39.2448, 32.3183** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **22.0207, 11.2907, 3.8171**, and the grayscale version is **20.6660, 21.7422, 23.6773**.

A 20% lighter version of the original color is **48.6824, 73.7627, 64.4951**, and **10.7799, 18.3986, 13.3391** is the 20% darker color. If you saturate the color by 10%, you get **23.5892, 39.2461, 32.3175**, and if you desaturate by 10%, it is **24.2320, 39.5345, 34.2887**.

Distribution



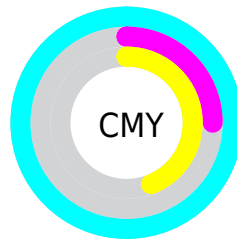
- Red (0%)
- Green (75%)
- Blue (56%)



- Red (0%)
- Yellow (43%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5887, 39.2448, 32.3183 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 23.5887, 39.2448, 32.3183 by changing the saturation by 10% instead.


 23.5887, 39.2448,
32.3183


 23.5887, 39.2448,
32.3183


263.2137,
342.9302, 327.1040


 15.1519, 26.9502,
21.3379


 48.8178, 74.0121,
64.4134

 9.0131, 17.5358,
13.1776


 66.3407, 97.2537,
86.3653


 4.8069, 10.6173,
7.4188


 87.6231, 124.9130,
112.8113

 2.1680, 5.8101,
3.6430

 113.0302,
157.3745, 144.1702

 0.7258, 2.7300,
1.4316

 142.9275,
195.0226, 180.8603

 0.0000, 0.9924,
0.1662

177.6803,

 0.0000, 0.0000,

238.2416, 223.3003

0.0000

217.6539,
287.4160, 271.9087

■ 23.5887, 39.2448,
32.3183

■ 23.5887, 39.2448,
32.3183

■ 23.5892, 39.2461,
32.3175

■ 24.2320, 39.5345,
34.2887

■ 25.1559, 39.9660,
36.3536

■ 26.4574, 40.5904,
38.5194

■ 28.1851, 41.4326,
40.7893

■ 30.3804, 42.5140,
43.1662

■ 33.0795, 43.8532,
45.6527

■ 36.3150, 45.4670,
48.2513

■ 40.1167, 47.3707,
50.9641

■ 44.5122, 49.5786,
53.7934

Harmonies

Analogous

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



26.7508, 39.2448, 17.7363



23.5887, 39.2448, 32.3183



23.6877, 39.2448, 56.8882

Triad

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



23.5887, 39.2448, 32.3183



41.9627, 39.2448, 105.4012



49.8676, 39.2448, 17.1583

Complementary

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



23.5887, 39.2448, 32.3183



22.0207, 11.2907, 3.8171

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.



55.3296, 39.2448, 31.1419



23.5887, 39.2448, 32.3183



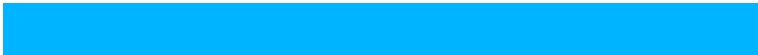
50.3140, 39.2448, 84.2737

Square

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



23.5887, 39.2448, 32.3183



33.4618, 39.2448, 106.1045



55.5043, 39.2448, 55.1695



41.4232, 39.2448, 11.5121

Rectangle

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



23.5887, 39.2448, 32.3183



25.5677, 39.2448, 76.4816



55.5043, 39.2448, 55.1695



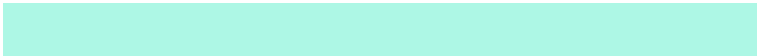
52.1661, 39.2448, 20.7379

Sweetspot

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



23.5898, 39.2463, 32.3192



64.7345, 81.2770, 86.1852



19.9942, 37.9655, 6.2748



13.6499, 17.5655, 18.4847



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.5898, 39.2463, 32.3192



42.1441, 70.2463, 57.3374



19.7514, 24.4555, 52.9714



9.7033, 10.7675, 11.6872



15.5356, 25.8045, 21.4151



0.6333, 1.0207, 0.9695

Inverse Universe

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



22.0207, 11.2907, 3.8171



39.3554, 20.1875, 6.4040



22.4092, 12.9218, 1.3136



9.6259, 9.5747, 10.4190



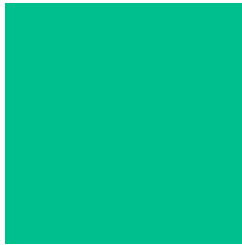
14.4988, 7.4307, 2.6541



0.5952, 0.3020, 0.2478

Previews

White Background



This preview shows how the XYZ color 23.5887, 39.2448, 32.3183 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 23.5887, 39.2448, 32.3183 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

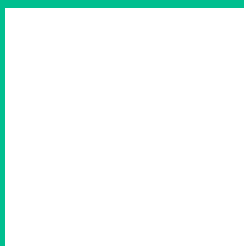
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5887, 39.2448, 32.3183

Background



This preview shows how black text looks on a background with the XYZ color 23.5887, 39.2448, 32.3183.

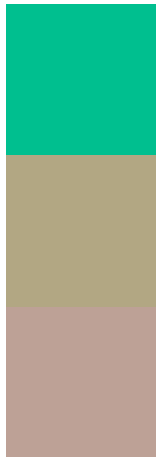


This preview shows how white text looks on a background with the XYZ color 23.5887, 39.2448,

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

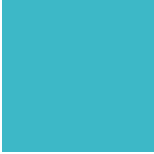
23.5887, 39.2448, 32.3183

Protanopia

36.2755, 38.7411, 27.0386

Deuteranopia

39.2362, 38.5106, 34.2195



Tritanopia

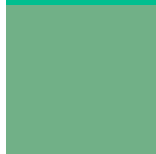
29.3738, 39.3966, 60.0890

Trichromacy



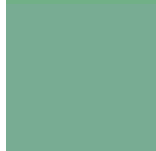
Original Color

23.5887, 39.2448, 32.3183



Protanomaly

26.7086, 36.3106, 28.5226



Deuteranomaly

27.7647, 35.6047, 33.0128



Tritanomaly

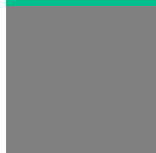
26.7437, 39.2267, 48.8098

Monochromacy



Original Color

23.5887, 39.2448, 32.3183



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.6936, 25.5760, 26.1417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5887, 39.2448, 32.3183 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(0, 191, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 143)  
}
```

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(0, 191, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 143) }
```

Border

The CSS property to change the border of an element to XYZ 23.5887, 39.2448, 32.3183 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(0, 191, 143) }
```


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

```
.border{ border-color:rgb(0, 191, 143) }
```

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

Here you see how a box with a 4 pixel rgb(0, 191, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5887, 39.2448, 32.3183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 143) }
```

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

```
.background{ background-color: rgb(0, 191,  
143) }
```

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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