

Converting Colors

XYZ(17.1748, 36.4287, 31.0888)

Have a look what the booklet for
XYZ(17.1748, 36.4287, 31.0888)
contains.

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Color

**XYZ(23.5833, 39.5927,
31.2101)**

Conversions

Conversions Part 1

Format	Color
Hex	00C08C
RGB	0, 192, 140
RGB Percent	0%, 75%, 55%
CMY	0.9999, 0.2470, 0.4510
CMYK	1.00, 0.00, 0.27, 0.25
HSL	164°, 100%, 38%
HSV	164°, 100%, 75%
XYZ	23.5833, 39.5927, 31.2101
YIQ	128.6640, -97.7400, -56.8760

Conversions

Conversions Part 2

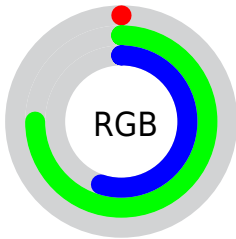
Format	Color
RYB	0, 111, 192
Decimal	49292
CIELab	69.18, -52.96, 14.99
CIELCh	69, 55.039, 164.195
Yxy	39.5927, 0.2499, 0.4195
Android (android.graphics.Color)	4278239372 (0xFF00C08C)
YUV	128.6640, 5.5886, -112.8383
Hunter-Lab	62.9227, -43.2134, 14.6377

Details

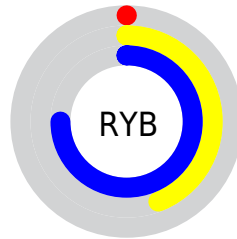
The XYZ color **23.5833, 39.5927, 31.2101** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **22.3597, 11.4556, 4.2847**, and the grayscale version is **20.7575, 21.8385, 23.7821**.

A 20% lighter version of the original color is **48.6503, 74.2431, 62.8051**, and **10.7911, 18.6295, 12.7000** is the 20% darker color. If you saturate the color by 10%, you get **23.5835, 39.5939, 31.2083**, and if you desaturate by 10%, it is **24.2498, 39.8919, 33.2918**.

Distribution



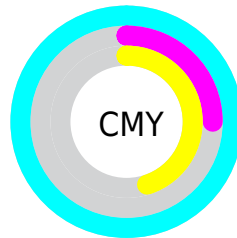
- Red (0%)
- Green (75%)
- Blue (55%)



- Red (0%)
- Yellow (44%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5833, 39.5927, 31.2101 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 23.5833, 39.5927, 31.2101 by changing the saturation by 10% instead.


 23.5833, 39.5927,
31.2101


 23.5833, 39.5927,
31.2101


263.1867,
344.4039, 321.8862


 15.1479, 27.2211,
20.4991


 48.8090, 74.5429,
62.6542


 9.0102, 17.7394,
12.5707


 66.3299, 97.8903,
84.2243


 4.8050, 10.7630,
7.0064


 87.6101, 125.6651,
110.2512

 2.1669, 5.9077,
3.3876

 113.0149,
158.2517, 141.1534

 0.7252, 2.7890,
1.2958

 142.9095,
196.0345, 177.3494

 0.0000, 1.0226,
0.0583

177.6595,

 0.0000, 0.0000,

239.3978, 219.2579

0.0000

217.6301,
288.7262, 267.2973

■ 23.5833, 39.5927,
31.2101

■ 23.5833, 39.5927,
31.2101

■ 23.5835, 39.5939,
31.2083

■ 24.2498, 39.8919,
33.2918

■ 25.2030, 40.3358,
35.4820

■ 26.5409, 40.9759,
37.7873

■ 28.3128, 41.8375,
40.2113

■ 30.5605, 42.9423,
42.7572

■ 33.3209, 44.3090,
45.4278

■ 36.6270, 45.9549,
48.2258

■ 40.5091, 47.8954,
51.1537

■ 44.9952, 50.1450,
54.2141

Harmonies

Analogous

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



27.0237, 39.5927, 16.8599



23.5833, 39.5927, 31.2101



23.4933, 39.5927, 56.1215

Triad

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



23.5833, 39.5927, 31.2101



41.9363, 39.5927, 109.2399



51.1167, 39.5927, 17.3801

Complementary

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



23.5833, 39.5927, 31.2101



22.3597, 11.4556, 4.2847

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.



56.5391, 39.5927, 32.2827



23.5833, 39.5927, 31.2101



50.7054, 39.5927, 88.0351

Square

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



23.5833, 39.5927, 31.2101



33.2078, 39.5927, 108.5861



56.3779, 39.5927, 57.7044



42.4320, 39.5927, 11.2688

Rectangle

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



23.5833, 39.5927, 31.2101



25.2972, 39.5927, 76.4907



56.3779, 39.5927, 57.7044



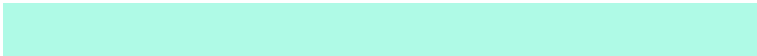
53.4376, 39.5927, 21.2040

Sweetspot

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



23.5844, 39.5943, 31.2110



66.0438, 83.1053, 87.1234



20.3944, 38.4966, 6.3564



13.6003, 17.5456, 18.2235



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.



23.5844, 39.5943, 31.2110



42.6197, 71.6951, 55.9615



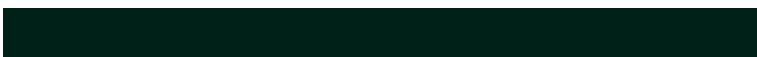
20.4866, 25.7492, 53.7612



10.2483, 11.3804, 12.3110



15.9026, 26.6551, 21.1779



0.7147, 1.1627, 1.0602

Inverse Universe

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



22.3597, 11.4556, 4.2847



40.4225, 20.7191, 7.2882



22.5537, 12.8361, 1.2896



10.1828, 10.1217, 11.0530



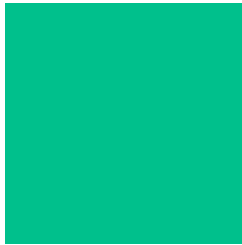
15.0731, 7.7190, 3.0309



0.6812, 0.3455, 0.2886

Previews

White Background



This preview shows how the XYZ color 23.5833, 39.5927, 31.2101 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 23.5833, 39.5927, 31.2101 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

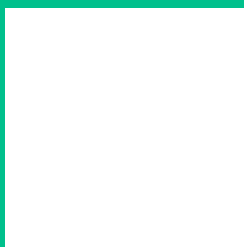
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5833, 39.5927, 31.2101

Background



This preview shows how black text looks on a background with the XYZ color 23.5833, 39.5927, 31.2101.

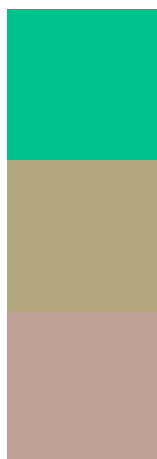


This preview shows how white text looks on a background with the XYZ color 23.5833, 39.5927,

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

23.5833, 39.5927, 31.2101

Protanopia

36.3054, 38.7797, 25.9938

Deuteranopia

39.4972, 38.6727, 32.9866



Tritanopia

29.4992, 39.4613, 60.0948

Trichromacy



Original Color

23.5833, 39.5927, 31.2101



Protanomaly

26.6296, 36.2940, 27.4317



Deuteranomaly

27.8126, 35.6562, 31.8020



Tritanomaly

26.6813, 39.2061, 48.2808

Monochromacy



Original Color

23.5833, 39.5927, 31.2101



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

18.9415, 25.9438, 26.1996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5833, 39.5927, 31.2101 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, 192, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 192, 140)  
}
```

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, 192, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 192, 140) }
```

Border

The CSS property to change the border of an element to XYZ 23.5833, 39.5927, 31.2101 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, 192, 140) }
```


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

```
.border{ border-color:rgb(0, 192, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 192, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 192, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 192, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 192,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5833, 39.5927, 31.2101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 192, 140) }
```

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

```
.background{ background-color: rgb(0, 192,  
140) }
```

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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