

Converting Colors

XYZ(23.3147, 32.3579, 49.0929)

Have a look what the booklet for
XYZ(23.3147, 32.3579, 49.0929)
contains.

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Color

**XYZ(23.3833, 32.4182,
49.2809)**

Conversions

Conversions Part 1

Format	Color
Hex	1FAAB6
RGB	31, 170, 182
RGB Percent	12%, 67%, 71%
CMY	0.8784, 0.3333, 0.2863
CMYK	0.83, 0.07, 0.00, 0.29
HSL	185°, 71%, 42%
HSV	185°, 83%, 71%
XYZ	23.3833, 32.4182, 49.2809
YIQ	129.8070, -86.6960, -25.7360

Conversions

Conversions Part 2

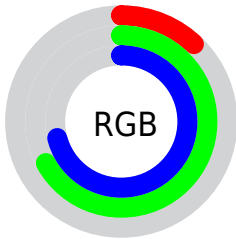
Format	Color
RYB	31, 103, 182
Decimal	2075318
CIELab	63.69, -30.18, -16.17
CIELCh	64, 34.236, 208.176
Yxy	32.4182, 0.2225, 0.3085
Android (android.graphics.Color)	4280265398 (0xFF1FAAB6)
YUV	129.8070, 25.7311, -86.6537
Hunter-Lab	56.9370, -26.3320, -11.4616

Details

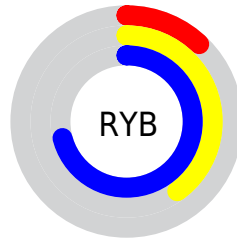
The XYZ color **23.3833, 32.4182, 49.2809** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **20.4035, 11.7729, 2.4943**, and the grayscale version is **21.0857, 22.1838, 24.1582**.

A 20% lighter version of the original color is **48.5728, 63.6299, 90.6107**, and **10.3237, 14.3076, 22.9864** is the 20% darker color. If you saturate the color by 10%, you get **22.7124, 31.6727, 49.1730**, and if you desaturate by 10%, it is **24.3684, 33.3314, 49.4059**.

Distribution



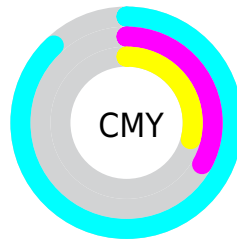
- Red (12%)
- Green (67%)
- Blue (71%)



- Red (12%)
- Yellow (40%)
- Blue (71%)



- Cyan (83%)
- Magenta (7%)
- Yellow (0%)
- Black (29%)





- Cyan (88%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.3833, 32.4182, 49.2809 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 23.3833, 32.4182, 49.2809 by changing the saturation by 10% instead.


 23.3833, 32.4182,
49.2809


 23.3833, 32.4182,
49.2809


262.1864,
313.0199, 400.5013


 14.9990, 21.6811,
34.4752


 48.4840, 63.4661,
90.4938


 8.9050, 13.6228,
22.9786


 65.9311, 84.5458,
117.7381


 4.7359, 7.8588,
14.3725


 87.1299, 109.8417,
149.9656

 2.1263, 4.0047,
8.2385

 112.4457,
139.7384, 187.5950

 0.7035, 1.6762,
4.1580

 142.2439,
174.6201, 231.0447

 0.0000, 0.4082,
1.7124

176.8899,

 0.0000, 0.0000,

214.8714, 280.7333

0.3692

216.7489,
260.8765, 337.0793

■ 0.0000, 0.0000,
0.0000

■ 23.3833, 32.4182,
49.2809

■ 23.3833, 32.4182,
49.2809

■ 22.7124, 31.6727,
49.1730

■ 24.3684, 33.3314,
49.4059

■ 22.3611, 31.2124,
49.1026

■ 25.7103, 34.4324,
49.5476

■ 27.4480, 35.7419,
49.7088

■ 29.6148, 37.2769,
49.8909

■ 32.2401, 39.0529,
50.0953

■ 35.3511, 41.0838,
50.3234

■ 38.9727, 43.3824,
50.5762

■ 43.1281, 45.9607,
50.8548

■ 47.8389, 48.8299,
51.1603

Harmonies

Analogous

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



22.4904, 32.4182, 34.4645



23.3833, 32.4182, 49.2809



26.2049, 32.4182, 62.8006

Triad

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



23.3833, 32.4182, 49.2809



39.3229, 32.4182, 51.1210



31.1068, 32.4182, 14.9473

Complementary

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



23.3833, 32.4182, 49.2809



20.4035, 11.7729, 2.4943

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.



35.9309, 32.4182, 17.2893



23.3833, 32.4182, 49.2809



40.9695, 32.4182, 36.1447

Square

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



23.3833, 32.4182, 49.2809



35.3710, 32.4182, 64.0421



39.6690, 32.4182, 24.2469



26.6636, 32.4182, 16.7726

Rectangle

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



23.3833, 32.4182, 49.2809



28.9628, 32.4182, 67.9369



39.6690, 32.4182, 24.2469



32.7394, 32.4182, 15.2576

Sweetspot

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



23.3843, 32.4194, 49.2817



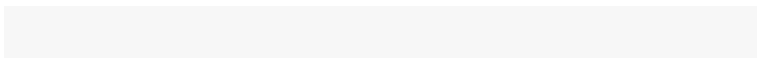
62.6168, 73.5324, 91.1286



17.6953, 33.9085, 7.7175



13.3883, 15.9533, 20.0953



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



23.3843, 32.4194, 49.2817



40.4584, 56.4240, 88.9943



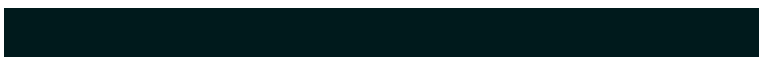
13.2324, 12.1155, 45.8977



9.2040, 10.0852, 11.5410



15.8135, 22.0868, 34.6828



0.5756, 0.8150, 1.2287

Inverse Universe

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



27.0380, 13.8283, 39.2756



47.6699, 23.1083, 68.4865



25.8509, 22.6676, 4.3101



9.3493, 9.1501, 11.1869



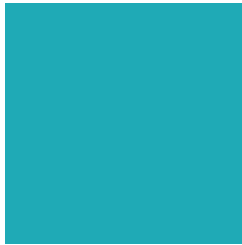
18.5956, 9.0120, 26.8211



0.6647, 0.3214, 0.9938

Previews

White Background



This preview shows how the XYZ color 23.3833, 32.4182, 49.2809 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 23.3833, 32.4182, 49.2809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

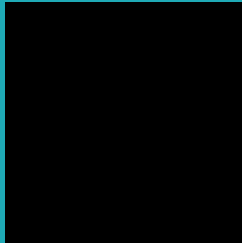
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.3833, 32.4182, 49.2809

Background



This preview shows how black text looks on a background with the XYZ color 23.3833, 32.4182, 49.2809.



This preview shows how white text looks on a background with the XYZ color 23.3833, 32.4182,

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

23.3833, 32.4182, 49.2809

Protanopia

31.2464, 31.9381, 42.5480

Deuteranopia

32.5318, 31.9372, 50.9043



Tritanopia

23.6537, 32.5335, 50.3803

Trichromacy



Original Color

23.3833, 32.4182, 49.2809



Protanomaly

26.1015, 30.9781, 44.6481



Deuteranomaly

26.8773, 30.7425, 50.4163



Tritanomaly

23.5176, 32.4754, 49.8286

Monochromacy



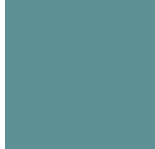
Original Color

23.3833, 32.4182, 49.2809



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

20.1663, 24.8004, 32.1579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3833, 32.4182, 49.2809 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(31, 170, 182)` looks like.

```
.text, #text, p{  
    color:rgb(31, 170, 182)  
}
```

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(31, 170, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 170, 182) }
```

Border

The CSS property to change the border of an element to XYZ 23.3833, 32.4182, 49.2809 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(31, 170, 182) }
```


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

```
.border{ border-color:rgb(31, 170, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 170, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 170, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 170, 182);  
box-shadow:4px 4px 4px 4px rgb(31, 170,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3833, 32.4182, 49.2809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 170, 182) }
```

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

```
.background{ background-color: rgb(31, 170,  
182) }
```

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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