

Converting Colors

XYZ(23.3815, 32.9900, 48.8514)

Have a look what the booklet for
XYZ(23.3815, 32.9900, 48.8514)
contains.

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Color

**XYZ(23.3815, 32.9900,
48.8514)**

Conversions

Conversions Part 1

Format	Color
Hex	14ACB5
RGB	20, 172, 181
RGB Percent	8%, 67%, 71%
CMY	0.9215, 0.3255, 0.2902
CMYK	0.89, 0.05, 0.00, 0.29
HSL	183°, 80%, 39%
HSV	183°, 89%, 71%
XYZ	23.3815, 32.9900, 48.8514
YIQ	127.5780, -93.4810, -29.4250

Conversions

Conversions Part 2

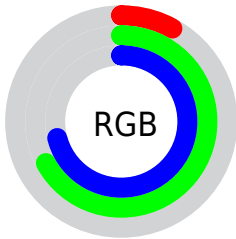
Format	Color
RYB	20, 98, 181
Decimal	1354933
CIELab	64.15, -32.20, -14.92
CIELCh	64, 35.482, 204.857
Yxy	32.9900, 0.2222, 0.3135
Android (android.graphics.Color)	4279545013 (0xFF14ACB5)
YUV	127.5780, 26.3370, -94.3459
Hunter-Lab	57.4369, -27.8506, -10.2216

Details

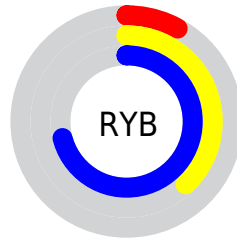
The XYZ color **23.3815, 32.9900, 48.8514** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.6226, 10.7541, 1.7043**, and the grayscale version is **20.3094, 21.3670, 23.2687**.

A 20% lighter version of the original color is **48.5090, 64.4260, 89.9995**, and **10.4931, 14.7522, 22.7165** is the 20% darker color. If you saturate the color by 10%, you get **22.9258, 32.4710, 48.7759**, and if you desaturate by 10%, it is **24.0907, 33.6433, 48.9407**.

Distribution



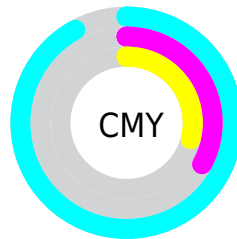
- Red (8%)
- Green (67%)
- Blue (71%)



- Red (8%)
- Yellow (38%)
- Blue (71%)



- Cyan (89%)
- Magenta (5%)
- Yellow (0%)
- Black (29%)



- Cyan (92%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3815, 32.9900, 48.8514 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 23.3815, 32.9900, 48.8514 by changing the saturation by 10% instead.

■ 23.3815, 32.9900,
48.8514

■ 23.3815, 32.9900,
48.8514

262.1773,
315.6047, 398.7627

■ 14.9977, 22.1188,
34.1368

■ 48.4811, 64.3599,
89.8494

■ 8.9041, 13.9442,
22.7205

■ 65.9275, 85.6274,
116.9700

■ 4.7353, 8.0819,
14.1839

■ 87.1256, 111.1291,
149.0629

■ 2.1259, 4.1474,
8.1085

■ 112.4406,
141.2494, 186.5468

■ 0.7033, 1.7563,
4.0757

■ 142.2379,
176.3727, 229.8402

■ 0.0000, 0.4597,
1.6670

176.8829,

■ 0.0000, 0.0000,

216.8835, 279.3616

0.3379

216.7409,
263.1660, 335.5296

■ 0.0000, 0.0000,
0.0000

■ 23.3815, 32.9900,
48.8514

■ 23.3815, 32.9900,
48.8514

■ 22.9258, 32.4710,
48.7759

■ 24.0907, 33.6433,
48.9407

■ 22.8815, 32.4181,
48.7680

■ 25.1249, 34.4656,
49.0449

■ 26.5268, 35.4795,
49.1668

■ 28.3315, 36.7034,
49.3079

■ 30.5703, 38.1533,
49.4697

■ 33.2714, 39.8437,
49.6537

■ 36.4604, 41.7878,
49.8608

■ 40.1613, 43.9980,
50.0924

■ 44.3963, 46.4858,
50.3494

Harmonies

Analogous

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



22.6846, 32.9900, 33.4968



23.3815, 32.9900, 48.8514



26.1172, 32.9900, 63.6280

Triad

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



23.3815, 32.9900, 48.8514



39.9380, 32.9900, 54.3168



32.2301, 32.9900, 14.8097

Complementary

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



23.3815, 32.9900, 48.8514



19.6226, 10.7541, 1.7043

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.



37.2523, 32.9900, 17.7133



23.3815, 32.9900, 48.8514



41.9959, 32.9900, 38.4583

Square

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



23.3815, 32.9900, 48.8514



35.5949, 32.9900, 67.3287



40.9643, 32.9900, 25.5001



27.4678, 32.9900, 16.2099

Rectangle

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



23.3815, 32.9900, 48.8514



28.8994, 32.9900, 69.7942



40.9643, 32.9900, 25.5001



33.9481, 32.9900, 15.2852

Sweetspot

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



23.3825, 32.9912, 48.8522



60.3810, 71.8470, 88.9801



17.0234, 33.2813, 6.6297



12.6707, 15.2942, 19.2065



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.3825, 32.9912, 48.8522



40.9227, 57.9451, 87.3223



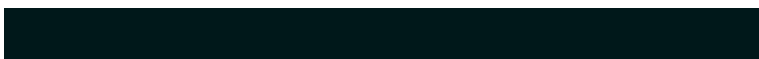
12.4968, 11.2197, 45.2236



8.7012, 9.5485, 10.8908



15.7910, 22.3823, 33.6249



0.5091, 0.7287, 1.0621

Inverse Universe

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



26.7535, 13.3036, 40.1888



47.2451, 22.8406, 70.6654



24.6046, 20.7181, 3.3650



8.8291, 8.6384, 10.5985



18.2052, 8.7996, 27.3043



0.5790, 0.2793, 0.8916

Previews

White Background



This preview shows how the XYZ color 23.3815, 32.9900, 48.8514 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 23.3815, 32.9900, 48.8514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

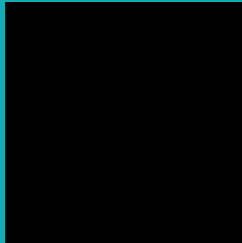
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

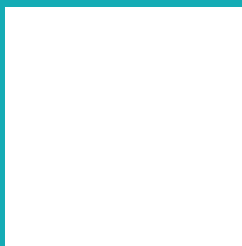
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3815, 32.9900, 48.8514

Background



This preview shows how black text looks on a background with the XYZ color 23.3815, 32.9900, 48.8514.

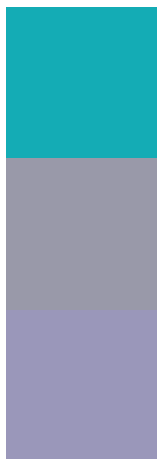


This preview shows how white text looks on a background with the XYZ color 23.3815, 32.9900,

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

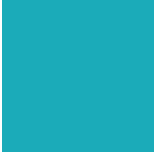
23.3815, 32.9900, 48.8514

Protanopia

31.6895, 32.4193, 42.1235

Deuteranopia

33.2560, 32.5484, 50.9841



Tritanopia

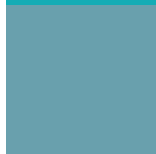
23.7719, 32.8616, 50.9890

Trichromacy



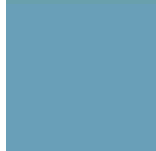
Original Color

23.3815, 32.9900, 48.8514



Protanomaly

25.9393, 31.1620, 44.1829



Deuteranomaly

26.8756, 31.2602, 49.9647



Tritanomaly

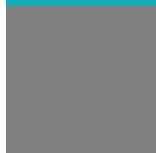
23.5913, 32.7807, 50.4313

Monochromacy



Original Color

23.3815, 32.9900, 48.8514



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

19.3595, 24.1769, 31.2500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3815, 32.9900, 48.8514 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(20, 172, 181)` looks like.

```
.text, #text, p{  
    color:rgb(20, 172, 181)  
}
```

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(20, 172, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 172, 181) }
```

Border

The CSS property to change the border of an element to XYZ 23.3815, 32.9900, 48.8514 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(20, 172, 181) }
```


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

```
.border{ border-color:rgb(20, 172, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 172, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 172, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 172, 181);  
box-shadow:4px 4px 4px 4px rgb(20, 172,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3815, 32.9900, 48.8514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 172, 181) }
```

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

```
.background{ background-color: rgb(20, 172,  
181) }
```

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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