

Converting Colors

XYZ(23.3183, 36.3173, 38.0703)

Have a look what the booklet for
XYZ(23.3183, 36.3173, 38.0703)
contains.

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Color

**XYZ(23.4143, 36.4950,
38.1579)**

Conversions

Conversions Part 1

Format	Color
Hex	15B79E
RGB	21, 183, 158
RGB Percent	8%, 72%, 62%
CMY	0.9176, 0.2823, 0.3804
CMYK	0.89, 0.00, 0.14, 0.28
HSL	171°, 79%, 40%
HSV	171°, 89%, 72%
XYZ	23.4143, 36.4950, 38.1579
YIQ	131.7120, -88.5270, -42.1190

Conversions

Conversions Part 2

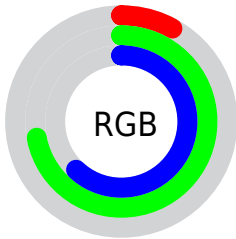
Format	Color
R_{YB}	21, 109, 183
Decimal	1423262
CIE _{Lab}	66.90, -43.87, 1.92
CIE _{LCh}	67, 43.917, 177.496
Yxy	36.4950, 0.2388, 0.3721
Android (android.graphics.Color)	4279613342 (0xFF15B79E)
YUV	131.7120, 12.9600, -97.0944
Hunter-Lab	60.4111, -36.5359, 4.8380

Details

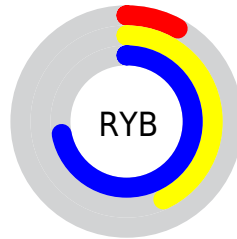
The XYZ color **23.4143, 36.4950, 38.1579** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.2911, 10.8019, 3.6021**, and the grayscale version is **21.8083, 22.9440, 24.9860**.

A 20% lighter version of the original color is **48.6498, 69.9491, 73.8882**, and **10.5041, 16.7621, 16.5917** is the 20% darker color. If you saturate the color by 10%, you get **22.8993, 36.2582, 36.8799**, and if you desaturate by 10%, it is **24.2005, 36.8727, 39.4794**.

Distribution



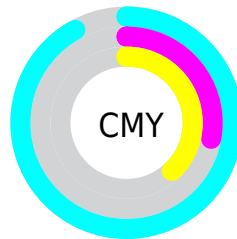
- Red (8%)
- Green (72%)
- Blue (62%)



- Red (8%)
- Yellow (43%)
- Blue (72%)



- Cyan (89%)
- Magenta (0%)
- Yellow (14%)
- Black (28%)




- Cyan (92%)
- Magenta (28%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4143, 36.4950, 38.1579 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 23.4143, 36.4950, 38.1579 by changing the saturation by 10% instead.


 23.4143, 36.4950,
38.1579


 23.4143, 36.4950,
38.1579


262.3416,
331.1190, 353.6153


 15.0221, 24.8167,
25.8025


 48.5344, 69.7954,
73.5562


 8.9213, 15.9406,
16.4515


 65.9930, 92.1863,
97.4362


 4.7466, 9.4821,
9.6864


 87.2044, 118.9169,
125.9947

 2.1326, 5.0570,
5.0887

 112.5340,
150.3716, 159.6504

 0.7068, 2.2807,
2.2397

 142.3472,
186.9348, 198.8218

 0.0000, 0.7635,
0.6972

177.0093,

 0.0000, 0.0000,

228.9908, 243.9273

0.0000

216.8857,
276.9240, 295.3857

■ 23.4143, 36.4950,
38.1579

■ 23.4143, 36.4950,
38.1579

■ 22.8993, 36.2582,
36.8799

■ 24.2005, 36.8727,
39.4794

■ 22.8301, 36.2265,
36.6929

■ 25.3261, 37.4239,
40.8454

■ 26.8346, 38.1719,
42.2588

■ 28.7621, 39.1351,
43.7216

■ 31.1405, 40.3302,
45.2354

■ 33.9988, 41.7720,
46.8018

■ 37.3632, 43.4740,
48.4221

■ 41.2582, 45.4490,
50.0978

■ 45.7067, 47.7085,
51.8300

Harmonies

Analogous

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



24.9803, 36.4950, 23.1246



23.4143, 36.4950, 38.1579



24.5340, 36.4950, 59.1609

Triad

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



23.4143, 36.4950, 38.1579



40.9338, 36.4950, 81.8900



42.0242, 36.4950, 16.1587

Complementary

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



23.4143, 36.4950, 38.1579



20.2911, 10.8019, 3.6021

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.



47.3147, 36.4950, 25.1110



23.4143, 36.4950, 38.1579



46.6307, 36.4950, 62.8491

Square

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



23.4143, 36.4950, 38.1579



34.1316, 36.4950, 88.7151



49.0985, 36.4950, 41.3588



35.2492, 36.4950, 13.2262

Rectangle

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



23.4143, 36.4950, 38.1579



26.7436, 36.4950, 73.3208



49.0985, 36.4950, 41.3588



44.0664, 36.4950, 18.3876

Sweetspot

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



23.4153, 36.4964, 38.1588



61.4897, 75.1140, 84.1243



18.2892, 34.5510, 6.4153



13.1679, 16.3816, 18.3668



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.



23.4153, 36.4964, 38.1588



40.8171, 64.8511, 65.3460



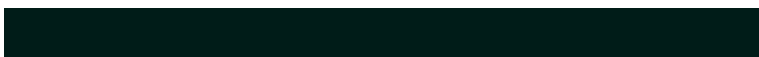
16.7084, 19.2810, 47.6423



9.2055, 10.1862, 11.2395



15.9467, 25.2796, 25.7048



0.5784, 0.8977, 0.9918

Inverse Universe

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



20.2911, 10.8019, 3.6021



35.3029, 18.1614, 3.3625



22.1815, 15.1556, 2.4665



9.0596, 9.0342, 9.6614



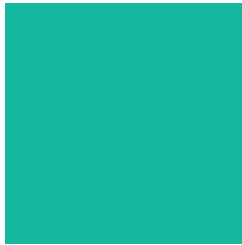
13.7883, 7.0891, 1.5062



0.5040, 0.2571, 0.1474

Previews

White Background



This preview shows how the XYZ color 23.4143, 36.4950, 38.1579 looks on a white background.

Color Contrast Check

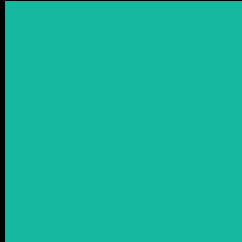
Large Text (above 18pt) WCAG AA × Fail

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 23.4143, 36.4950, 38.1579 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

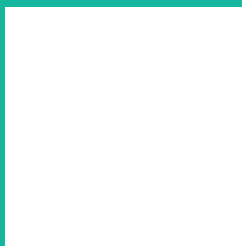
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4143, 36.4950, 38.1579

Background



This preview shows how black text looks on a background with the XYZ color 23.4143, 36.4950, 38.1579.

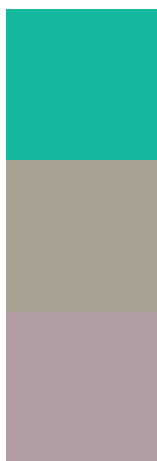


This preview shows how white text looks on a background with the XYZ color 23.4143, 36.4950,

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

23.4143, 36.4950, 38.1579

Protanopia

34.0816, 35.8899, 32.3253

Deuteranopia

36.4938, 35.6874, 40.0869



Tritanopia

27.0142, 36.4479, 56.0634

Trichromacy



Original Color

23.4143, 36.4950, 38.1579



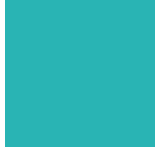
Protanomaly

26.7632, 34.2228, 34.0492



Deuteranomaly

27.9035, 33.8741, 39.2501



Tritanomaly

25.4739, 36.4092, 48.8651

Monochromacy



Original Color

23.4143, 36.4950, 38.1579



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.2880, 26.3316, 29.2125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4143, 36.4950, 38.1579 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(21, 183, 158)` looks like.

```
.text, #text, p{  
    color:rgb(21, 183, 158)  
}
```

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(21, 183, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 183, 158) }
```

Border

The CSS property to change the border of an element to XYZ 23.4143, 36.4950, 38.1579 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(21, 183, 158) }
```


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

```
.border{ border-color:rgb(21, 183, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 183, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 183, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 183, 158);  
box-shadow:4px 4px 4px 4px rgb(21, 183,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4143, 36.4950, 38.1579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 183, 158) }
```

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

```
.background{ background-color: rgb(21, 183,  
158) }
```

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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