

Converting Colors

XYZ(17.1117, 33.1546, 40.4541)

Have a look what the booklet for
XYZ(17.1117, 33.1546, 40.4541)
contains.

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Color

**XYZ(23.6343, 36.5473,
40.9306)**

Conversions

Conversions Part 1

Format	Color
Hex	00B7A4
RGB	0, 183, 164
RGB Percent	0%, 72%, 64%
CMY	0.9999, 0.2823, 0.3569
CMYK	1.00, 0.00, 0.10, 0.28
HSL	174°, 100%, 36%
HSV	174°, 100%, 72%
XYZ	23.6343, 36.5473, 40.9306
YIQ	126.1170, -102.9690, -44.7050

Conversions

Conversions Part 2

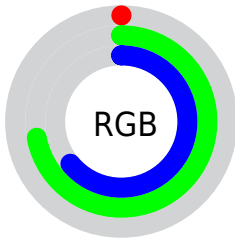
Format	Color
RYB	0, 97, 183
Decimal	47012
CIELab	66.94, -43.07, -1.35
CIELCh	67, 43.088, 181.794
Yxy	36.5473, 0.2337, 0.3615
Android (android.graphics.Color)	4278237092 (0xFF00B7A4)
YUV	126.1170, 18.6763, -110.6046
Hunter-Lab	60.4544, -36.0115, 2.1758

Details

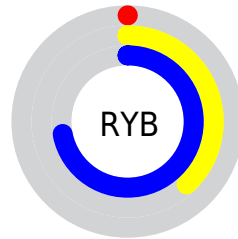
The XYZ color **23.6343, 36.5473, 40.9306** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **19.6472, 10.1153, 1.5343**, and the grayscale version is **19.8377, 20.8708, 22.7283**.

A 20% lighter version of the original color is **48.9833, 70.0313, 77.9535**, and **10.7749, 16.8704, 18.0176** is the 20% darker color. If you saturate the color by 10%, you get **23.6348, 36.5484, 40.9301**, and if you desaturate by 10%, it is **24.0636, 36.7495, 41.8542**.

Distribution



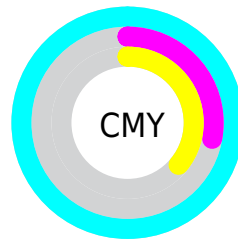
- Red (0%)
- Green (72%)
- Blue (64%)



- Red (0%)
- Yellow (38%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (28%)



- Cyan (100%)
- Magenta (28%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6343, 36.5473, 40.9306 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 23.6343, 36.5473, 40.9306 by changing the saturation by 10% instead.

■ 23.6343, 36.5473,
40.9306

■ 23.6343, 36.5473,
40.9306

263.4413,
331.3464, 365.6985

■ 15.1858, 24.8572,
27.9456

■ 48.8918, 69.8760,
77.8311

■ 9.0371, 15.9707,
18.0459

■ 66.4315, 92.2833,
102.5836

■ 4.8227, 9.5034,
10.8132

■ 87.7324, 119.0319,
132.0956

■ 2.1773, 5.0710,
5.8288

■ 113.1598,
150.5060, 166.7858

■ 0.7307, 2.2890,
2.6741

■ 143.0790,
187.0901, 207.0727

■ 0.0000, 0.7679,
0.9304

■ 177.8554,

■ 0.0000, 0.0000,

229.1687, 253.3747

0.0000

217.8544,
277.1259, 306.1105

■ 23.6343, 36.5473,
40.9306

■ 23.6343, 36.5473,
40.9306

■ 23.6348, 36.5484,
40.9301

■ 24.0636, 36.7495,
41.8542

■ 24.7332, 37.0744,
42.8017

■ 25.7332, 37.5693,
43.7782

■ 27.1073, 38.2568,
44.7857

■ 28.8923, 39.1559,
45.8261

■ 31.1207, 40.2832,
46.9009

■ 33.8217, 41.6538,
48.0116

■ 37.0219, 43.2815,
49.1594

■ 40.7461, 45.1790,
50.3455

Harmonies

Analogous

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



24.8021, 36.5473, 25.0980



23.6343, 36.5473, 40.9306



25.1175, 36.5473, 61.9149

Triad

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



23.6343, 36.5473, 40.9306



41.7841, 36.5473, 78.8681



41.0185, 36.5473, 15.7655

Complementary

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



23.6343, 36.5473, 40.9306



19.6472, 10.1153, 1.5343

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.



46.5441, 36.5473, 23.6906



23.6343, 36.5473, 40.9306



47.0237, 36.5473, 59.3326

Square

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



23.6343, 36.5473, 40.9306



35.1318, 36.5473, 87.6653



48.8649, 36.5473, 38.6782



34.3454, 36.5473, 13.5804

Rectangle

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



23.6343, 36.5473, 40.9306



27.5332, 36.5473, 75.2824



48.8649, 36.5473, 38.6782



43.0993, 36.5473, 17.6914

Sweetspot

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



23.6354, 36.5487, 40.9315



60.3041, 74.4626, 85.8820



17.2515, 34.0317, 5.6603



12.8510, 16.2087, 18.7826



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.



23.6354, 36.5487, 40.9315



42.2774, 65.4352, 73.0356



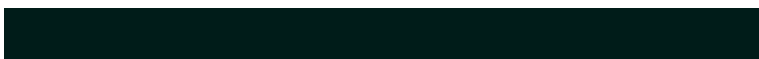
14.4376, 15.1987, 46.9740



9.2254, 10.1941, 11.3443



16.5023, 25.5019, 28.6309



0.5934, 0.9037, 1.0706

Inverse Universe

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



19.6472, 10.1153, 1.5343



35.1466, 18.0989, 2.5398



21.7299, 14.4690, 1.6483



9.0415, 9.0270, 9.5660



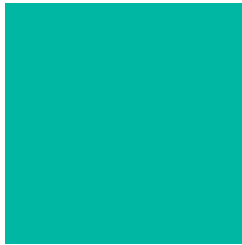
13.7181, 7.0610, 1.1361



0.4962, 0.2540, 0.1065

Previews

White Background



This preview shows how the XYZ color 23.6343, 36.5473, 40.9306 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 23.6343, 36.5473, 40.9306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

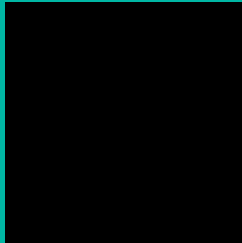
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

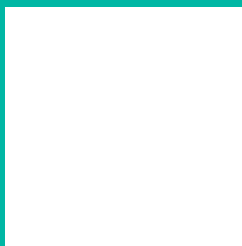
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.6343, 36.5473, 40.9306

Background



This preview shows how black text looks on a background with the XYZ color 23.6343, 36.5473, 40.9306.

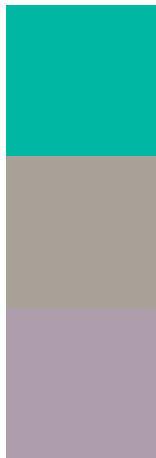


This preview shows how white text looks on a background with the XYZ color 23.6343, 36.5473,

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

23.6343, 36.5473, 40.9306

Protanopia

34.3487, 35.9722, 34.8387

Deuteranopia

36.7682, 36.0149, 43.0439



Tritanopia

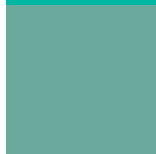
26.9180, 36.6948, 56.1162

Trichromacy



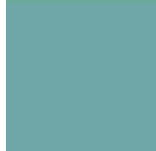
Original Color

23.6343, 36.5473, 40.9306



Protanomaly

26.1326, 33.8404, 36.6070



Deuteranomaly

27.2596, 33.4791, 42.0712



Tritanomaly

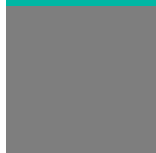
25.3002, 36.2959, 49.9283

Monochromacy



Original Color

23.6343, 36.5473, 40.9306



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.4756, 24.4664, 28.5597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6343, 36.5473, 40.9306 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, 183, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 164)  
}
```

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, 183, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 164) }
```

Border

The CSS property to change the border of an element to XYZ 23.6343, 36.5473, 40.9306 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, 183, 164) }
```


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

```
.border{ border-color:rgb(0, 183, 164) }
```

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

Here you see how a box with a 4 pixel rgb(0, 183, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6343, 36.5473, 40.9306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 164) }
```

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

```
.background{ background-color: rgb(0, 183,  
164) }
```

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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