

Converting Colors

XYZ(15.3505, 30.7146, 44.7412)

Have a look what the booklet for
XYZ(15.3505, 30.7146, 44.7412)
contains.

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Color

**XYZ(23.4632, 34.8579,
45.0268)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2AD
RGB	0, 178, 173
RGB Percent	0%, 70%, 68%
CMY	0.9999, 0.3020, 0.3216
CMYK	1.00, 0.00, 0.03, 0.30
HSL	178°, 100%, 35%
HSV	178°, 100%, 70%
XYZ	23.4632, 34.8579, 45.0268
YIQ	124.2080, -104.4830, -39.2910

Conversions

Conversions Part 2

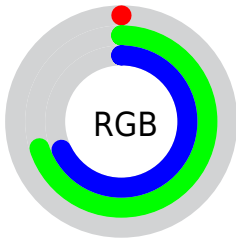
Format	Color
RYB	0, 90, 178
Decimal	45741
CIELab	65.64, -38.23, -8.25
CIELCh	66, 39.112, 192.177
Yxy	34.8579, 0.2270, 0.3373
Android (android.graphics.Color)	4278235821 (0xFF00B2AD)
YUV	124.2080, 24.0545, -108.9304
Hunter-Lab	59.0406, -32.3837, -3.8886

Details

The XYZ color **23.4632, 34.8579, 45.0268** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **18.3886, 9.4770, 1.0045**, and the grayscale version is **19.1782, 20.1769, 21.9727**.

A 20% lighter version of the original color is **48.4634, 67.0437, 83.7852**, and **10.6588, 15.7958, 20.5763** is the 20% darker color. If you saturate the color by 10%, you get **23.4638, 34.8590, 45.0272**, and if you desaturate by 10%, it is **23.7587, 35.0054, 45.2946**.

Distribution



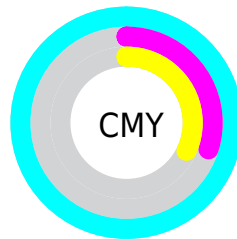
- Red (0%)
- Green (70%)
- Blue (68%)



- Red (0%)
- Yellow (35%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4632, 34.8579, 45.0268 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 23.4632, 34.8579, 45.0268 by changing the saturation by 10% instead.

■ 23.4632, 34.8579,
45.0268

■ 23.4632, 34.8579,
45.0268

262.5864,
323.9407, 383.0454

■ 15.0585, 23.5534,
31.1354

■ 48.6139, 67.2656,
84.0795

■ 8.9470, 15.0027,
20.4427

■ 66.0905, 89.1376,
110.0779

■ 4.7635, 8.8213,
12.5300

■ 87.3219, 115.3009,
140.9491

■ 2.1425, 4.6248,
6.9788

■ 112.6733,
146.1399, 177.1116

■ 0.7122, 2.0288,
3.3706

■ 142.5101,
182.0389, 218.9839

■ 0.0000, 0.6241,
1.2868

■ 177.1976,

■ 0.0000, 0.0000,

223.3825, 266.9846

0.0510

217.1013,
270.5550, 321.5323

■ 0.0000, 0.0000,
0.0000

■ 23.4632, 34.8579,
45.0268

■ 23.4632, 34.8579,
45.0268

■ 23.4638, 34.8590,
45.0272

■ 23.7587, 35.0054,
45.2946

■ 24.2758, 35.2663,
45.5729

■ 25.1009, 35.6861,
45.8666

■ 26.2745, 36.2854,
46.1775

■ 27.8311, 37.0822,
46.5073

■ 29.8008, 38.0919,
46.8574

■ 32.2111, 39.3287,
47.2291

■ 35.0867, 40.8054,
47.6235

■ 38.4508, 42.5338,
48.0417

Harmonies

Analogous

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



23.6877, 34.8579, 29.0705



23.4632, 34.8579, 45.0268



25.6002, 34.8579, 63.4075

Triad

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



23.4632, 34.8579, 45.0268



41.1163, 34.8579, 66.5612



36.6292, 34.8579, 15.0989

Complementary

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



23.4632, 34.8579, 45.0268



18.3886, 9.4770, 1.0045

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.



42.0113, 34.8579, 20.4279



23.4632, 34.8579, 45.0268



44.8008, 34.8579, 48.4855

Square

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



23.4632, 34.8579, 45.0268



35.5167, 34.8579, 78.0429



45.1462, 34.8579, 31.6642



30.8553, 34.8579, 14.6668

Rectangle

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



23.4632, 34.8579, 45.0268



28.2379, 34.8579, 73.3756



45.1462, 34.8579, 31.6642



38.5599, 34.8579, 16.2859

Sweetspot

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



23.4642, 34.8592, 45.0276



58.1556, 71.1868, 85.6072



15.9957, 31.8804, 5.3113



12.4626, 15.5550, 18.9031



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.



23.4642, 34.8592, 45.0276



42.5336, 63.2065, 81.5715



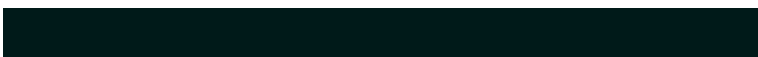
12.1241, 11.3899, 43.6803



8.7321, 9.6273, 10.8490



16.7922, 24.9428, 32.2380



0.5316, 0.7861, 1.0312

Inverse Universe

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



18.3886, 9.4770, 1.0045



33.3307, 17.1785, 1.7463



21.4606, 15.6647, 1.8934



8.5057, 8.5090, 8.8955



13.1604, 6.7817, 0.7388



0.4173, 0.2147, 0.0400

Previews

White Background



This preview shows how the XYZ color 23.4632, 34.8579, 45.0268 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 23.4632, 34.8579, 45.0268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

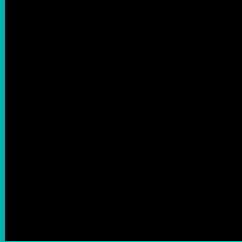
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

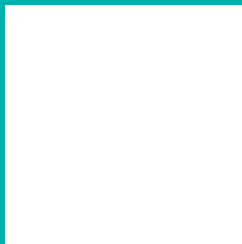
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.4632, 34.8579, 45.0268

Background



This preview shows how black text looks on a background with the XYZ color 23.4632, 34.8579, 45.0268.

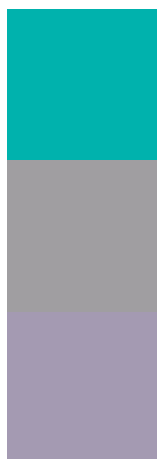


This preview shows how white text looks on a background with the XYZ color 23.4632, 34.8579,

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

23.4632, 34.8579, 45.0268

Protanopia

33.1571, 34.5005, 38.6299

Deuteranopia

34.9013, 34.2181, 46.8847



Tritanopia

25.3872, 34.7710, 54.0886

Trichromacy



Original Color

23.4632, 34.8579, 45.0268



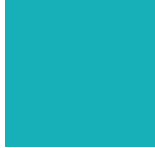
Protanomaly

25.7262, 32.4517, 40.5052



Deuteranomaly

26.6426, 32.2720, 45.8992



Tritanomaly

24.5538, 34.7055, 50.7521

Monochromacy



Original Color

23.4632, 34.8579, 45.0268



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

18.0802, 23.5618, 29.1861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4632, 34.8579, 45.0268 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, 178, 173)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 173)  
}
```

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, 178, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 173) }
```

Border

The CSS property to change the border of an element to XYZ 23.4632, 34.8579, 45.0268 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, 178, 173) }
```


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

```
.border{ border-color:rgb(0, 178, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 178, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 178, 173); box-shadow:4px 4px 4px 4px rgb(0, 178, 173) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4632, 34.8579, 45.0268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 173) }
```

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

```
.background{ background-color: rgb(0, 178,  
173) }
```

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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