

Converting Colors

XYZ(23.3600, 34.2717, 43.8479)

Have a look what the booklet for
XYZ(23.3600, 34.2717, 43.8479)
contains.

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Color

**XYZ(23.3549, 34.2378,
43.9057)**

Conversions

Conversions Part 1

Format	Color
Hex	1CB0AB
RGB	28, 176, 171
RGB Percent	11%, 69%, 67%
CMY	0.8901, 0.3098, 0.3294
CMYK	0.84, 0.00, 0.03, 0.31
HSL	178°, 73%, 40%
HSV	178°, 84%, 69%
XYZ	23.3549, 34.2378, 43.9057
YIQ	131.1780, -86.6030, -32.9310

Conversions

Conversions Part 2

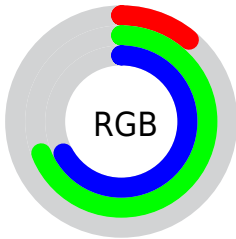
Format	Color
RYB	28, 103, 176
Decimal	1880235
CIELab	65.15, -36.62, -7.84
CIELCh	65, 37.447, 192.089
Yxy	34.2378, 0.2301, 0.3373
Android (android.graphics.Color)	4280070315 (0xFF1CB0AB)
YUV	131.1780, 19.6322, -90.4871
Hunter-Lab	58.5131, -31.1514, -3.5295

Details

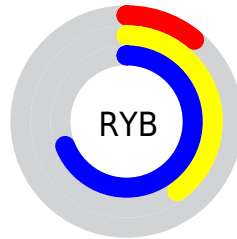
The XYZ color **23.3549, 34.2378, 43.9057** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **18.5954, 10.1715, 2.4232**, and the grayscale version is **21.5931, 22.7176, 24.7395**.

A 20% lighter version of the original color is **48.2930, 66.1473, 82.1739**, and **10.4127, 15.4978, 19.8953** is the 20% darker color. If you saturate the color by 10%, you get **22.9504, 34.0366, 43.5922**, and if you desaturate by 10%, it is **24.0429, 34.5867, 44.2353**.

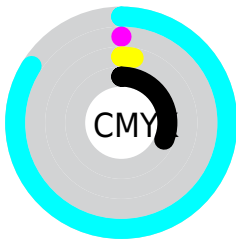
Distribution



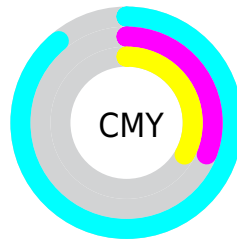
- Red (11%)
- Green (69%)
- Blue (67%)



- Red (11%)
- Yellow (40%)
- Blue (69%)



- Cyan (84%)
- Magenta (0%)
- Yellow (3%)
- Black (31%)



- Cyan (89%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3549, 34.2378, 43.9057 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 23.3549, 34.2378, 43.9057 by changing the saturation by 10% instead.

■ 23.3549, 34.2378,
43.9057

■ 23.3549, 34.2378,
43.9057

262.0441,
321.1911, 378.3534

■ 14.9779, 23.0763,
30.2597

■ 48.4378, 66.3033,
82.3768

■ 8.8901, 14.6499,
19.7821

■ 65.8744, 87.9761,
108.0390

■ 4.7261, 8.5740,
12.0542

■ 87.0616, 113.9215,
138.5437

■ 2.1206, 4.4644,
6.6576

■ 112.3648,
144.5239, 174.3094

■ 0.7004, 1.9366,
3.1737

■ 142.1493,
180.1677, 215.7547

■ 0.0000, 0.5702,
1.1840

176.7804,

■ 0.0000, 0.0000,

221.2372, 263.2981

0.0000

216.6235,
268.1169, 317.3582

■ 23.3549, 34.2378,
43.9057

■ 23.3549, 34.2378,
43.9057

■ 22.9504, 34.0366,
43.5922

■ 24.0429, 34.5867,
44.2353

■ 22.7867, 33.9560,
43.4104

■ 25.0542, 35.1014,
44.5807

■ 26.4254, 35.8017,
44.9442

■ 28.1875, 36.7034,
45.3273

■ 30.3679, 37.8208,
45.7314

■ 32.9919, 39.1668,
46.1575

■ 36.0825, 40.7533,
46.6068

■ 39.6613, 42.5915,
47.0804

■ 43.7485, 44.6917,
47.5790

Harmonies

Analogous

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



23.5758, 34.2378, 28.8108



23.3549, 34.2378, 43.9057



25.3859, 34.2378, 61.1563

Triad

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



23.3549, 34.2378, 43.9057



40.0621, 34.2378, 64.1955



35.8632, 34.2378, 15.4354

Complementary

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



23.3549, 34.2378, 43.9057



18.5954, 10.1715, 2.4232

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.



40.9305, 34.2378, 20.6002



23.3549, 34.2378, 43.9057



43.5343, 34.2378, 47.2629

Square

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



23.3549, 34.2378, 43.9057



34.7803, 34.2378, 74.8749



43.8687, 34.2378, 31.3553



30.4019, 34.2378, 15.0024

Rectangle

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



23.3549, 34.2378, 43.9057



27.8908, 34.2378, 70.4779



43.8687, 34.2378, 31.3553



37.6835, 34.2378, 16.5915

Sweetspot

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



23.3559, 34.2391, 43.9065



59.1413, 70.6776, 83.6047



16.4429, 31.5002, 6.3130



12.4518, 15.1297, 18.0605



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.3559, 34.2391, 43.9065



41.3084, 61.5759, 78.6356



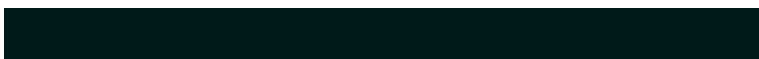
13.8282, 14.4063, 43.1275



8.7300, 9.6265, 10.8378



16.7230, 24.9152, 31.8739



0.5300, 0.7855, 1.0230

Inverse Universe

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



18.5954, 10.1715, 2.4232



32.5154, 16.7574, 1.7435



22.1719, 17.4285, 3.2949



8.5076, 8.5098, 8.9055



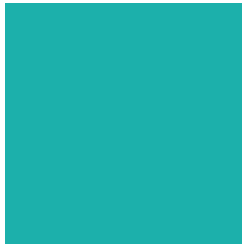
13.1652, 6.7836, 0.7640



0.4181, 0.2150, 0.0442

Previews

White Background



This preview shows how the XYZ color 23.3549, 34.2378, 43.9057 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 23.3549, 34.2378, 43.9057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

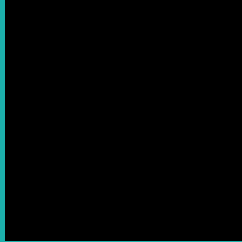
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

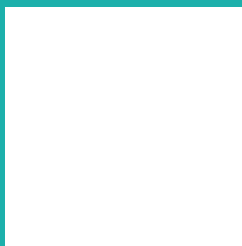
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3549, 34.2378, 43.9057

Background



This preview shows how black text looks on a background with the XYZ color 23.3549, 34.2378, 43.9057.

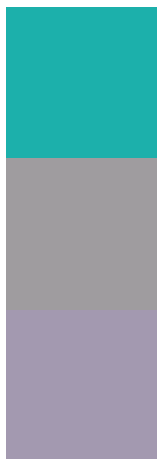


This preview shows how white text looks on a background with the XYZ color 23.3549, 34.2378,

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

23.3549, 34.2378, 43.9057

Protanopia

32.4446, 33.6511, 37.5862

Deuteranopia

34.3320, 33.7036, 45.7702



Tritanopia

25.0594, 34.0535, 52.8292

Trichromacy



Original Color

23.3549, 34.2378, 43.9057



Protanomaly

26.2636, 32.2182, 39.4848



Deuteranomaly

27.3243, 32.1231, 44.8046



Tritanomaly

24.3789, 34.0616, 49.5456

Monochromacy



Original Color

23.3549, 34.2378, 43.9057



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

20.2381, 25.3224, 31.0152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3549, 34.2378, 43.9057 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(28, 176, 171)` looks like.

```
.text, #text, p{  
    color:rgb(28, 176, 171)  
}
```

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(28, 176, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 176, 171) }
```

Border

The CSS property to change the border of an element to XYZ 23.3549, 34.2378, 43.9057 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(28, 176, 171) }
```


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

```
.border{ border-color:rgb(28, 176, 171) }
```

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

Here you see how a box with a 4 pixel rgb(28, 176, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 176, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 176, 171);  
box-shadow:4px 4px 4px 4px rgb(28, 176,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3549, 34.2378, 43.9057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 176, 171) }
```

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

```
.background{ background-color: rgb(28, 176,  
171) }
```

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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