

Converting Colors

XYZ(24.0117, 35.0270, 48.0703)

Have a look what the booklet for
XYZ(24.0117, 35.0270, 48.0703)
contains.

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Color

**XYZ(24.0571, 35.0955,
48.1540)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2B3
RGB	0, 178, 179
RGB Percent	0%, 70%, 70%
CMY	0.9999, 0.3020, 0.2980
CMYK	1.00, 0.01, 0.00, 0.30
HSL	180°, 100%, 35%
HSV	180°, 100%, 70%
XYZ	24.0571, 35.0955, 48.1540
YIQ	124.8920, -106.4090, -37.4250

Conversions

Conversions Part 2

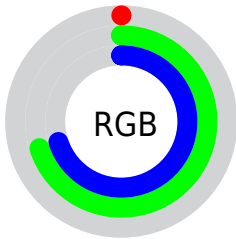
Format	Color
RYB	0, 89, 179
Decimal	45747
CIELab	65.82, -36.41, -11.30
CIElCh	66, 38.120, 197.249
Yxy	35.0955, 0.2242, 0.3271
Android (android.graphics.Color)	4278235827 (0xFF00B2B3)
YUV	124.8920, 26.6752, -109.5303
Hunter-Lab	59.2415, -31.1863, -6.7244

Details

The XYZ color **24.0571, 35.0955, 48.1540** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **18.6021, 9.6064, 0.8748**, and the grayscale version is **19.3994, 20.4096, 22.2261**.

A 20% lighter version of the original color is **49.5638, 67.4964, 89.0131**, and **11.0995, 16.1736, 22.2755** is the 20% darker color. If you saturate the color by 10%, you get **24.0577, 35.0965, 48.1548**, and if you desaturate by 10%, it is **24.3259, 35.2643, 48.1731**.

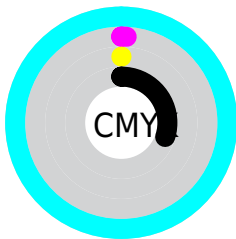
Distribution



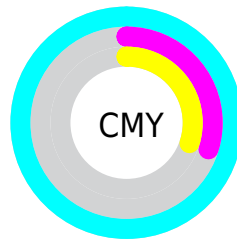
- Red (0%)
- Green (70%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (30%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0571, 35.0955, 48.1540 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 24.0571, 35.0955, 48.1540 by changing the saturation by 10% instead.


 24.0571, 35.0955,
48.1540

 24.0571, 35.0955,
48.1540


265.5441,
324.9897, 395.9285


 15.5009, 23.7364,
33.5880


 49.5774, 67.6337,
88.8016


 9.2603, 15.1382,
22.3025


 67.2722, 89.5816,
115.7203

 4.9698, 8.9165,
13.8789


 88.7439, 115.8279,
147.5936

 2.2641, 4.6867,
7.8987

 114.3580,
146.7571, 184.8400

 0.7762, 2.0647,
3.9433

 144.4797,
182.7534, 227.8782

 0.0000, 0.6446,
1.5943

179.4743,

 0.0000, 0.0000,

224.2014, 277.1267

0.2868

219.7074,
271.4853, 333.0039

■ 0.0000, 0.0000,
0.0000

■ 24.0571, 35.0955,
48.1540

■ 24.0571, 35.0955,
48.1540

■ 24.0577, 35.0965,
48.1548

■ 24.3259, 35.2643,
48.1731

■ 24.8193, 35.5482,
48.2019

■ 25.6246, 35.9929,
48.2453

■ 26.7827, 36.6195,
48.3052

■ 28.3287, 37.4461,
48.3832

■ 30.2931, 38.4884,
48.4809

■ 32.7037, 39.7608,
48.5994

■ 35.5857, 41.2762,
48.7400

■ 38.9625, 43.0467,
48.9038

Harmonies

Analogous

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



23.8808, 35.0955, 31.7757



24.0571, 35.0955, 48.1540



26.5406, 35.0955, 65.7713

Triad

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



24.0571, 35.0955, 48.1540



41.9467, 35.0955, 63.3331



35.8019, 35.0955, 15.2633

Complementary

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



24.0571, 35.0955, 48.1540



18.6021, 9.6064, 0.8748

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.



41.2512, 35.0955, 19.6814



24.0571, 35.0955, 48.1540



45.0578, 35.0955, 45.4659

Square

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



24.0571, 35.0955, 48.1540



36.6684, 35.0955, 76.0874



44.7899, 35.0955, 29.7440



30.2517, 35.0955, 15.6071

Rectangle

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



24.0571, 35.0955, 48.1540



29.3467, 35.0955, 74.4892



44.7899, 35.0955, 29.7440



37.7174, 35.0955, 16.1737

Sweetspot

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



24.0582, 35.0968, 48.1548



58.3228, 71.0789, 87.0268



16.1210, 32.2410, 5.3745



12.5046, 15.5278, 19.2603



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.



24.0582, 35.0968, 48.1548



43.0800, 62.8439, 86.2407



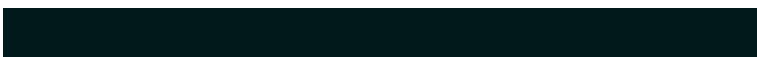
11.7529, 10.4862, 44.0531



8.7385, 9.6233, 10.9032



17.0018, 24.8039, 34.0285



0.5362, 0.7830, 1.0711

Inverse Universe

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



26.6272, 12.7991, 43.1879



47.6842, 22.9199, 77.3309



22.2065, 16.8152, 2.0762



8.8480, 8.6459, 10.6978



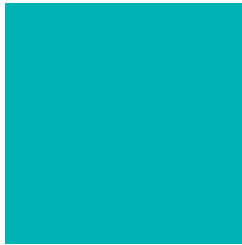
18.8164, 9.0441, 30.5226



0.5927, 0.2848, 0.9638

Previews

White Background



This preview shows how the XYZ color 24.0571, 35.0955, 48.1540 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 24.0571, 35.0955, 48.1540 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

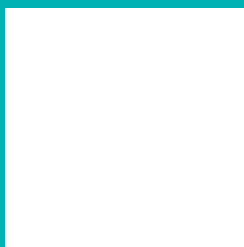
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0571, 35.0955, 48.1540

Background



This preview shows how black text looks on a background with the XYZ color 24.0571, 35.0955, 48.1540.

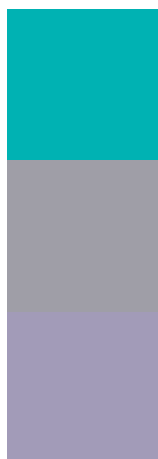


This preview shows how white text looks on a background with the XYZ color 24.0571, 35.0955,

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

24.0571, 35.0955, 48.1540

Protanopia

33.5000, 34.6147, 41.4749

Deuteranopia

35.2734, 34.5848, 50.1638



Tritanopia

25.4944, 35.1036, 54.7222

Trichromacy



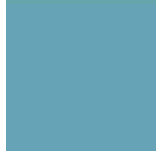
Original Color

24.0571, 35.0955, 48.1540



Protanomaly

26.1726, 32.6172, 43.4444



Deuteranomaly

27.1342, 32.4553, 49.0904



Tritanomaly

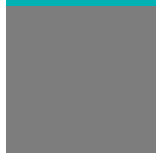
24.9803, 35.1809, 52.4877

Monochromacy



Original Color

24.0571, 35.0955, 48.1540



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

18.3924, 23.6963, 30.3925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0571, 35.0955, 48.1540 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 179) }
```

Border

The CSS property to change the border of an element to XYZ 24.0571, 35.0955, 48.1540 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, 179) }
```


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

```
.border{ border-color:rgb(0, 178, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0571, 35.0955, 48.1540 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, 179) }
```

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

```
.background{ background-color: rgb(0, 178,  
179) }
```

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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