

Converting Colors

XYZ(12.8005, 28.8020, 49.6033)

Have a look what the booklet for
XYZ(12.8005, 28.8020, 49.6033)
contains.

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Color

**XYZ(24.0726, 34.4696,
50.1843)**

Conversions

Conversions Part 1

Format	Color
Hex	00B0B7
RGB	0, 176, 183
RGB Percent	0%, 69%, 72%
CMY	0.9999, 0.3098, 0.2823
CMYK	1.00, 0.04, 0.00, 0.28
HSL	182°, 100%, 36%
HSV	182°, 100%, 72%
XYZ	24.0726, 34.4696, 50.1843
YIQ	124.1740, -107.1430, -35.1350

Conversions

Conversions Part 2

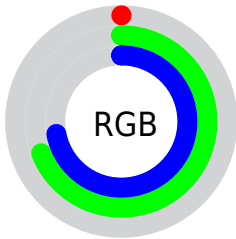
Format	Color
RYB	0, 90, 183
Decimal	45239
CIELab	65.33, -34.23, -14.26
CIELCh	65, 37.079, 202.616
Yxy	34.4696, 0.2214, 0.3170
Android (android.graphics.Color)	4278235319 (0xFF00B0B7)
YUV	124.1740, 29.0012, -108.9006
Hunter-Lab	58.7108, -29.5554, -9.5818

Details

The XYZ color **24.0726, 34.4696, 50.1843** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **19.6053, 10.2202, 0.9404**, and the grayscale version is **19.1521, 20.1495, 21.9428**.

A 20% lighter version of the original color is **49.5822, 66.5979, 91.9028**, and **11.1122, 15.7776, 23.5788** is the 20% darker color. If you saturate the color by 10%, you get **24.0729, 34.4701, 50.1850**, and if you desaturate by 10%, it is **24.4666, 34.8777, 50.2430**.

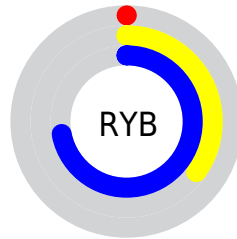
Distribution



Red (0%)

Green (69%)

Blue (72%)



Red (0%)

Yellow (35%)

Blue (72%)

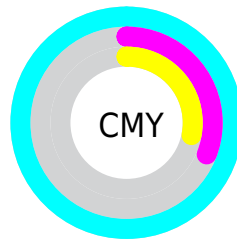


Cyan (100%)

Magenta (4%)

Yellow (0%)

Black (28%)



Cyan (100%)

Magenta (31%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0726, 34.4696, 50.1843 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 24.0726, 34.4696, 50.1843 by changing the saturation by 10% instead.

■ 24.0726, 34.4696,
50.1843

■ 24.0726, 34.4696,
50.1843

265.6210,
322.2209, 404.1419

■ 15.5125, 23.2546,
35.1877

■ 49.6025, 66.6633,
91.8470

■ 9.2685, 14.7816,
23.5228

■ 67.3029, 88.4107,
119.3501

■ 4.9752, 8.6663,
14.7711

■ 88.7809, 114.4378,
151.8592

■ 2.2674, 4.5241,
8.5140

■ 114.4018,
145.1288, 189.7927

■ 0.7779, 1.9709,
4.3331

■ 144.5309,
180.8683, 233.5691

■ 0.0000, 0.5905,
1.8098

179.5335,

■ 0.0000, 0.0000,

222.0405, 283.6072

0.4344

219.7751,
269.0299, 340.3252

■ 0.0000, 0.0000,
0.0000

■ 24.0726, 34.4696,
50.1843

■ 24.0726, 34.4696,
50.1843

■ 24.0729, 34.4701,
50.1850

■ 24.4666, 34.8777,
50.2430

■ 25.0991, 35.4091,
50.3122

■ 26.0603, 36.1110,
50.3970

■ 27.3936, 37.0058,
50.4995

■ 29.1359, 38.1125,
50.6212

■ 31.3197, 39.4479,
50.7639

■ 33.9742, 41.0269,
50.9288

■ 37.1260, 42.8635,
51.1171

■ 40.7999, 44.9701,
51.3301

Harmonies

Analogous

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



23.4965, 34.4696, 33.8340



24.0726, 34.4696, 50.1843



26.8473, 34.4696, 66.5065

Triad

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



24.0726, 34.4696, 50.1843



41.7361, 34.4696, 58.6649



34.1165, 34.4696, 15.0719

Complementary

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



24.0726, 34.4696, 50.1843



19.6053, 10.2202, 0.9404

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.



39.4880, 34.4696, 18.4972



24.0726, 34.4696, 50.1843



44.1908, 34.4696, 41.4891

Square

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



24.0726, 34.4696, 50.1843



36.9248, 34.4696, 72.2680



43.3259, 34.4696, 27.2072



28.9250, 34.4696, 16.2112

Rectangle

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



24.0726, 34.4696, 50.1843



29.7536, 34.4696, 73.7164



43.3259, 34.4696, 27.2072



35.9674, 34.4696, 15.6858

Sweetspot

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



24.0737, 34.4709, 50.1851



60.5799, 73.3207, 91.1951



16.9678, 33.8812, 5.8216



12.9198, 15.9219, 20.1139



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.



24.0737, 34.4709, 50.1851



43.0731, 61.6533, 89.8658



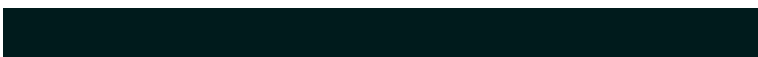
11.8295, 9.9825, 46.1037



9.2364, 10.1501, 11.5518



16.8053, 24.0703, 35.0134



0.6016, 0.8669, 1.2374

Inverse Universe

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



27.3659, 13.2029, 42.1817



48.9897, 23.6362, 75.4363



23.8609, 18.7315, 2.3590



9.3657, 9.1566, 11.2731



19.0962, 9.2123, 29.4572



0.6778, 0.3266, 1.0628

Previews

White Background



This preview shows how the XYZ color 24.0726, 34.4696, 50.1843 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 24.0726, 34.4696, 50.1843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

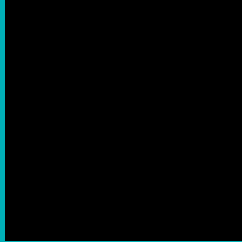
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

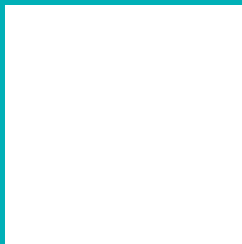
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0726, 34.4696, 50.1843

Background



This preview shows how black text looks on a background with the XYZ color 24.0726, 34.4696, 50.1843.

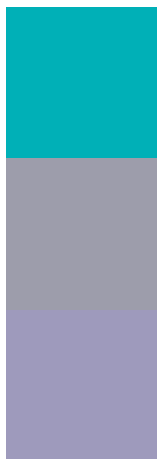


This preview shows how white text looks on a background with the XYZ color 24.0726, 34.4696,

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

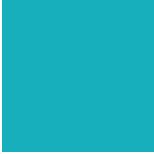
24.0726, 34.4696, 50.1843

Protanopia

33.3123, 34.2223, 43.3779

Deuteranopia

34.7333, 34.0111, 52.3111



Tritanopia

24.8920, 34.5283, 53.4968

Trichromacy



Original Color

24.0726, 34.4696, 50.1843



Protanomaly

26.2689, 32.3554, 45.4181



Deuteranomaly

27.1501, 32.1525, 51.2295



Tritanomaly

24.4966, 34.3494, 52.3527

Monochromacy



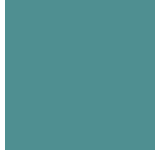
Original Color

24.0726, 34.4696, 50.1843



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

18.1577, 23.3515, 30.3383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0726, 34.4696, 50.1843 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, 176, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 183)  
}
```

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, 176, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 183) }
```

Border

The CSS property to change the border of an element to XYZ 24.0726, 34.4696, 50.1843 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, 176, 183) }
```


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

```
.border{ border-color:rgb(0, 176, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0726, 34.4696, 50.1843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 183) }
```

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

```
.background{ background-color: rgb(0, 176,  
183) }
```

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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