

Converting Colors

XYZ(24.8744, 36.4042, 49.4311)

Have a look what the booklet for
XYZ(24.8744, 36.4042, 49.4311)
contains.

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Color

**XYZ(24.8644, 36.3839,
49.4284)**

Conversions

Conversions Part 1

Format	Color
Hex	00B5B5
RGB	0, 181, 181
RGB Percent	0%, 71%, 71%
CMY	0.9998, 0.2902, 0.2902
CMYK	1.00, 0.00, 0.00, 0.29
HSL	180°, 100%, 35%
HSV	180°, 100%, 71%
XYZ	24.8644, 36.3839, 49.4284
YIQ	126.8810, -107.8760, -38.3720

Conversions

Conversions Part 2

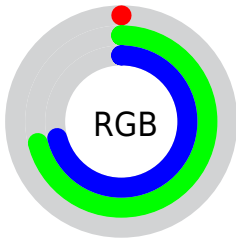
Format	Color
RYB	0, 91, 181
Decimal	46517
CIELab	66.81, -37.17, -10.93
CIELCh	67, 38.744, 196.387
Yxy	36.3839, 0.2247, 0.3287
Android (android.graphics.Color)	4278236597 (0xFF00B5B5)
YUV	126.8810, 26.6807, -111.2746
Hunter-Lab	60.3191, -31.9781, -6.3618

Details

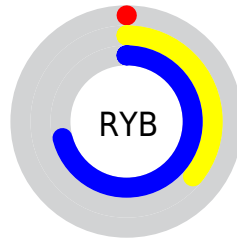
The XYZ color **24.8644, 36.3839, 49.4284** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **19.0573, 9.8250, 0.8932**, and the grayscale version is **20.0744, 21.1199, 22.9995**.

A 20% lighter version of the original color is **50.8258, 69.3921, 90.8360**, and **11.4857, 16.7373, 23.0473** is the 20% darker color. If you saturate the color by 10%, you get **24.8650, 36.3850, 49.4293**, and if you desaturate by 10%, it is **25.1171, 36.5150, 49.4411**.

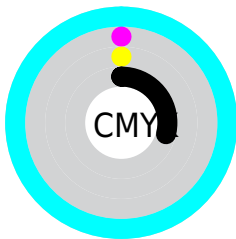
Distribution



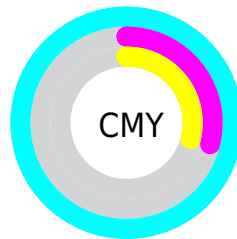
- Red (0%)
- Green (71%)
- Blue (71%)



- Red (0%)
- Yellow (36%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (29%)





- Cyan (100%)
- Magenta (29%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.8644, 36.3839, 49.4284 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 24.8644, 36.3839, 49.4284 by changing the saturation by 10% instead.


 24.8644, 36.3839,
49.4284

 24.8644, 36.3839,
49.4284


269.5221,
330.6354, 401.0973


 16.1042, 24.7308,
34.5914


 50.8816, 69.6242,
90.7150


 9.6893, 15.8766,
23.0673


 68.8694, 91.9802,
118.0016


 5.2541, 9.4369,
14.4374


 90.6638, 118.6727,
150.2753

 2.4334, 5.0272,
8.2833

 116.6302,
150.0860, 187.9545

 0.8618, 2.2633,
4.1864

 147.1338,
186.6045, 231.4577

 0.0000, 0.7542,
1.7282

182.5401,

 0.0000, 0.0000,

228.6126, 281.2036

0.3799

223.2144,
276.4948, 337.6106

■ 0.0000, 0.0000,
0.0000

■ 24.8644, 36.3839,
49.4284

■ 24.8644, 36.3839,
49.4284

■ 24.8650, 36.3850,
49.4293

■ 25.1171, 36.5150,
49.4411

■ 25.6010, 36.7644,
49.4638

■ 26.4048, 37.1788,
49.5015

■ 27.5706, 37.7798,
49.5561

■ 29.1344, 38.5860,
49.6294

■ 31.1278, 39.6136,
49.7227

■ 33.5792, 40.8773,
49.8375

■ 36.5145, 42.3905,
49.9749

■ 39.9577, 44.1656,
50.1361

Harmonies

Analogous

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



24.7514, 36.3839, 32.4997



24.8644, 36.3839, 49.4284



27.3813, 36.3839, 67.8529

Triad

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



24.8644, 36.3839, 49.4284



43.3922, 36.3839, 66.2853



37.3005, 36.3839, 15.8117

Complementary

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



24.8644, 36.3839, 49.4284



19.0573, 9.8250, 0.8932

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.



42.9454, 36.3839, 20.5535



24.8644, 36.3839, 49.4284



46.7213, 36.3839, 47.7017

Square

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



24.8644, 36.3839, 49.4284



37.8569, 36.3839, 79.3095



46.5492, 36.3839, 31.1964



31.5012, 36.3839, 16.0316

Rectangle

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



24.8644, 36.3839, 49.4284



30.2644, 36.3839, 77.1215



46.5492, 36.3839, 31.1964



39.2914, 36.3839, 16.8044

Sweetspot

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



24.8655, 36.3852, 49.4293



59.8868, 73.0788, 89.2435



16.5629, 33.0686, 5.5111



12.5321, 15.5828, 19.2694



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.



24.8655, 36.3852, 49.4293



44.5314, 65.1628, 88.5242



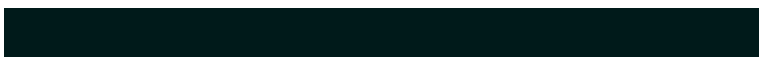
12.3030, 11.2600, 45.2423



8.7427, 9.6316, 10.9046



17.1409, 25.0823, 34.0745



0.5393, 0.7892, 1.0721

Inverse Universe

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



19.0573, 9.8250, 0.8932



34.1290, 17.5942, 1.5973



22.5061, 16.7227, 2.0428



8.4964, 8.5053, 8.8464



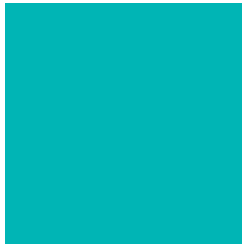
13.1369, 6.7723, 0.6148



0.4133, 0.2131, 0.0193

Previews

White Background



This preview shows how the XYZ color 24.8644, 36.3839, 49.4284 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 24.8644, 36.3839, 49.4284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

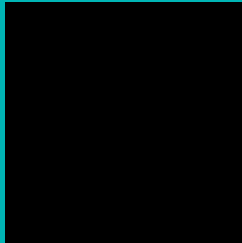
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

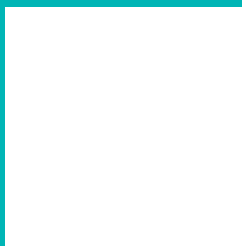
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8644, 36.3839, 49.4284

Background



This preview shows how black text looks on a background with the XYZ color 24.8644, 36.3839, 49.4284.

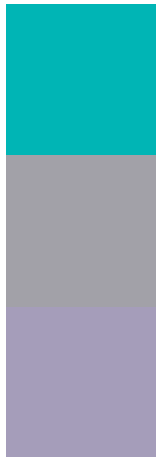


This preview shows how white text looks on a background with the XYZ color 24.8644, 36.3839,

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

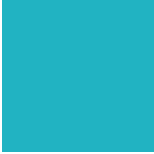
24.8644, 36.3839, 49.4284

Protanopia

34.7130, 35.9983, 42.1646

Deuteranopia

36.4369, 35.6584, 51.4167



Tritanopia

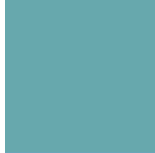
26.4849, 36.4586, 56.6802

Trichromacy



Original Color

24.8644, 36.3839, 49.4284



Protanomaly

27.1390, 33.9060, 44.6493



Deuteranomaly

28.1136, 33.7364, 50.3774



Tritanomaly

25.8158, 36.4761, 53.8241

Monochromacy



Original Color

24.8644, 36.3839, 49.4284



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

19.0935, 24.7234, 31.3695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8644, 36.3839, 49.4284 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, 181, 181)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 181)  
}
```

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, 181, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 181) }
```

Border

The CSS property to change the border of an element to XYZ 24.8644, 36.3839, 49.4284 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, 181, 181) }
```


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

```
.border{ border-color:rgb(0, 181, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 181);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8644, 36.3839, 49.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 181) }
```

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

```
.background{ background-color: rgb(0, 181,  
181) }
```

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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