

Converting Colors

XYZ(24.0259, 38.0400, 38.8736)

Have a look what the booklet for
XYZ(24.0259, 38.0400, 38.8736)
contains.

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Color

**XYZ(24.0283, 38.0439,
38.8777)**

Conversions

Conversions Part 1

Format	Color
Hex	00BB9F
RGB	0, 187, 159
RGB Percent	0%, 73%, 62%
CMY	0.9999, 0.2667, 0.3765
CMYK	1.00, 0.00, 0.15, 0.27
HSL	171°, 100%, 37%
HSV	171°, 100%, 73%
XYZ	24.0283, 38.0439, 38.8777
YIQ	127.8950, -102.4640, -48.3520

Conversions

Conversions Part 2

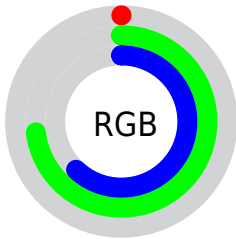
Format	Color
RYB	0, 101, 187
Decimal	48031
CIELab	68.05, -46.14, 3.03
CIELCh	68, 46.243, 176.241
Yxy	38.0439, 0.2380, 0.3769
Android (android.graphics.Color)	4278238111 (0xFF00BB9F)
YUV	127.8950, 15.3348, -112.1639
Hunter-Lab	61.6797, -38.4021, 5.8044

Details

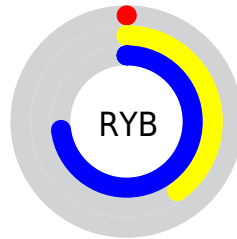
The XYZ color **24.0283, 38.0439, 38.8777** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.7044, 10.6496, 2.0643**, and the grayscale version is **20.4580, 21.5234, 23.4389**.

A 20% lighter version of the original color is **49.5253, 72.1531, 74.9350**, and **11.0943, 17.8578, 17.0495** is the 20% darker color. If you saturate the color by 10%, you get **24.0289, 38.0451, 38.8772**, and if you desaturate by 10%, it is **24.5381, 38.2792, 40.1855**.

Distribution



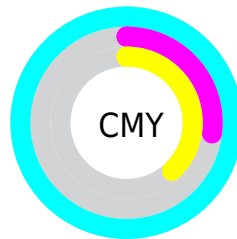
- Red (0%)
- Green (73%)
- Blue (62%)



- Red (0%)
- Yellow (40%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0283, 38.0439, 38.8777 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 24.0283, 38.0439, 38.8777 by changing the saturation by 10% instead.


 24.0283, 38.0439,
38.8777


 24.0283, 38.0439,
38.8777


265.4013,
337.8083, 356.7807


 15.4795, 26.0168,
26.3575


 49.5307, 72.1754,
74.6697


 9.2451, 16.8362,
16.8631


 67.2150, 95.0486,
98.7786

 4.9598, 10.1178,
9.9760


 88.6752, 122.3059,
127.5875

 2.2582, 5.4771,
5.2777

 114.2765,
154.3317, 161.5150

 0.7731, 2.5298,
2.3495

 144.3845,
191.5105, 200.9794

 0.0000, 0.8915,
0.7588

179.3644,

 0.0000, 0.0000,

234.2266, 246.3995

0.0000

219.5815,
282.8644, 298.1938

■ 24.0283, 38.0439,
38.8777

■ 24.0283, 38.0439,
38.8777

■ 24.0289, 38.0451,
38.8772

■ 24.5381, 38.2792,
40.1855

■ 25.3045, 38.6453,
41.5335

■ 26.4210, 39.1912,
42.9269

■ 27.9336, 39.9406,
44.3682

■ 29.8814, 40.9137,
45.8593

■ 32.2985, 42.1281,
47.4021

■ 35.2158, 43.5998,
48.9981

■ 38.6614, 45.3431,
50.6488

■ 42.6615, 47.3716,
52.3556

Harmonies

Analogous

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



25.8265, 38.0439, 23.0641



24.0283, 38.0439, 38.8777



25.1080, 38.0439, 61.5464

Triad

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



24.0283, 38.0439, 38.8777



42.6336, 38.0439, 88.1417



44.4125, 38.0439, 16.4282

Complementary

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



24.0283, 38.0439, 38.8777



20.7044, 10.6496, 2.0643

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.



50.0547, 38.0439, 26.2477



24.0283, 38.0439, 38.8777



48.9357, 38.0439, 67.5974

Square

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



24.0283, 38.0439, 38.8777



35.2594, 38.0439, 94.9284



51.8103, 38.0439, 44.0777



37.0749, 38.0439, 13.1164

Rectangle

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



24.0283, 38.0439, 38.8777



27.4038, 38.0439, 77.1716



51.8103, 38.0439, 44.0777



46.6061, 38.0439, 18.8766

Sweetspot

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



24.0294, 38.0454, 38.8786



62.7881, 77.9422, 87.6081



18.2518, 35.7898, 5.9467



13.3191, 16.9078, 19.0240



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.0294, 38.0454, 38.8786



42.9638, 68.1081, 69.2564



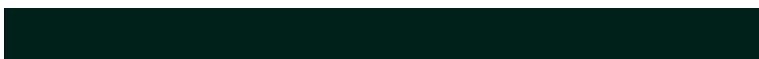
15.8757, 17.3991, 49.5371



9.7455, 10.7843, 11.9093



16.5766, 26.2209, 26.8970



0.6663, 1.0339, 1.1427

Inverse Universe

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



20.7044, 10.6496, 2.0643



37.0265, 19.0506, 3.4170



22.4114, 14.3993, 1.5987



9.5868, 9.5590, 10.2133



14.2818, 7.3439, 1.5114



0.5782, 0.2952, 0.1581

Previews

White Background



This preview shows how the XYZ color 24.0283, 38.0439, 38.8777 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 24.0283, 38.0439, 38.8777 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

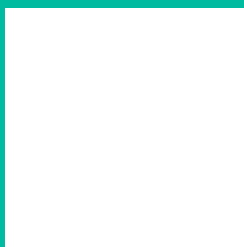
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.0283, 38.0439, 38.8777

Background



This preview shows how black text looks on a background with the XYZ color 24.0283, 38.0439, 38.8777.

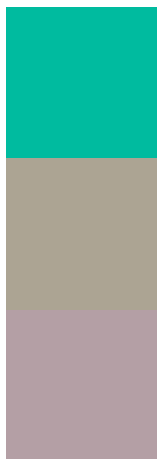


This preview shows how white text looks on a background with the XYZ color 24.0283, 38.0439,

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

24.0283, 38.0439, 38.8777

Protanopia

35.5552, 37.4282, 32.9542

Deuteranopia

38.0121, 37.2162, 40.7773



Tritanopia

28.1079, 38.1715, 58.1109

Trichromacy



Original Color

24.0283, 38.0439, 38.8777



Protanomaly

26.6451, 34.9906, 34.6277



Deuteranomaly

27.8691, 34.6651, 39.8725



Tritanomaly

26.3149, 38.0232, 50.7520

Monochromacy



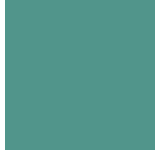
Original Color

24.0283, 38.0439, 38.8777



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.8010, 25.1083, 28.2816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0283, 38.0439, 38.8777 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, 187, 159)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 159)  
}
```

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, 187, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 159) }
```

Border

The CSS property to change the border of an element to XYZ 24.0283, 38.0439, 38.8777 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, 187, 159) }
```


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

```
.border{ border-color:rgb(0, 187, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 159);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0283, 38.0439, 38.8777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 159) }
```

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

```
.background{ background-color: rgb(0, 187,  
159) }
```

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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