

Converting Colors

XYZ(24.8193, 39.0555, 40.4128)

Have a look what the booklet for
XYZ(24.8193, 39.0555, 40.4128)
contains.

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Color

**XYZ(24.8193, 39.0555,
40.4128)**

Conversions

Conversions Part 1

Format	Color
Hex	08BDA2
RGB	8, 189, 162
RGB Percent	3%, 74%, 64%
CMY	0.9685, 0.2588, 0.3647
CMYK	0.96, 0.00, 0.14, 0.26
HSL	171°, 92%, 39%
HSV	171°, 96%, 74%
XYZ	24.8193, 39.0555, 40.4128
YIQ	131.8030, -99.2090, -46.7690

Conversions

Conversions Part 2

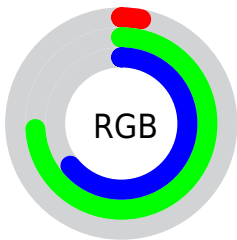
Format	Color
RYB	8, 106, 189
Decimal	572834
CIELab	68.79, -45.89, 2.46
CIElCh	69, 45.961, 176.930
Yxy	39.0555, 0.2380, 0.3745
Android (android.graphics.Color)	4278762914 (0xFF08BDA2)
YUV	131.8030, 14.8871, -108.5752
Hunter-Lab	62.4944, -38.4749, 5.4054

Details

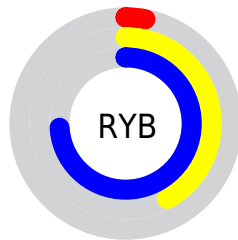
The XYZ color **24.8193, 39.0555, 40.4128** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.3778, 11.1148, 2.6106**, and the grayscale version is **21.8377, 22.9750, 25.0198**.

A 20% lighter version of the original color is **50.8470, 73.6880, 77.1889**, and **11.4784, 18.4537, 17.7088** is the 20% darker color. If you saturate the color by 10%, you get **24.6141, 38.9629, 39.8513**, and if you desaturate by 10%, it is **25.4235, 39.3386, 41.7653**.

Distribution



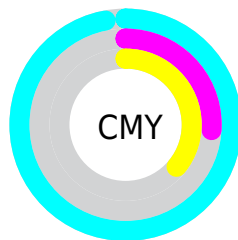
- Red (3%)
- Green (74%)
- Blue (64%)



- Red (3%)
- Yellow (42%)
- Blue (74%)



- Cyan (96%)
- Magenta (0%)
- Yellow (14%)
- Black (26%)



- Cyan (97%)
- Magenta (26%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8193, 39.0555, 40.4128 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 24.8193, 39.0555, 40.4128 by changing the saturation by 10% instead.

■ 24.8193, 39.0555,
40.4128

■ 24.8193, 39.0555,
40.4128

269.3011,
342.1264, 363.4641

■ 16.0705, 26.8029,
27.5443

■ 50.8089, 73.7231,
77.0357

■ 9.6652, 17.4253,
17.7464

■ 68.7805, 96.9069,
101.6271

■ 5.2381, 10.5382,
10.6005

■ 90.5570, 124.5032,
130.9633

■ 2.4238, 5.7572,
5.6881

■ 116.5037,
156.8964, 165.4627

■ 0.8570, 2.6980,
2.5907

■ 146.9862,
194.4710, 205.5440

■ 0.0000, 0.9762,
0.8876

182.3697,

■ 0.0000, 0.0000,

237.6112, 251.6256

0.0000

223.0195,
286.7016, 304.1261

■ 24.8193, 39.0555,
40.4128

■ 24.8193, 39.0555,
40.4128

■ 24.6141, 38.9629,
39.8513

■ 25.4235, 39.3386,
41.7653

■ 26.3515, 39.7871,
43.1616

■ 27.6593, 40.4307,
44.6054

■ 29.3908, 41.2920,
46.0989

■ 31.5837, 42.3906,
47.6441

■ 34.2716, 43.7436,
49.2428

■ 37.4849, 45.3669,
50.8965

■ 41.2515, 47.2747,
52.6067

■ 45.5974, 49.4804,
54.3748

Harmonies

Analogous

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



26.5786, 39.0555, 24.1793



24.8193, 39.0555, 40.4128



25.9828, 39.0555, 63.3989

Triad

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



24.8193, 39.0555, 40.4128



43.8318, 39.0555, 89.2426



45.2991, 39.0555, 16.9916

Complementary

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



24.8193, 39.0555, 40.4128



21.3778, 11.1148, 2.6106

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.



51.0591, 39.0555, 26.8236



24.8193, 39.0555, 40.4128



50.1371, 39.0555, 68.3791

Square

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



24.8193, 39.0555, 40.4128



36.3761, 39.0555, 96.4638



52.9350, 39.0555, 44.7091



37.8761, 39.0555, 13.7321

Rectangle

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



24.8193, 39.0555, 40.4128



28.3553, 39.0555, 79.0685



52.9350, 39.0555, 44.7091



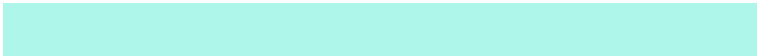
47.5294, 39.0555, 19.4393

Sweetspot

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



24.8204, 39.0570, 40.4137



64.8860, 80.1130, 90.0424



18.9411, 36.7744, 6.3302



13.4329, 16.9650, 19.0922



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.



24.8204, 39.0570, 40.4137



44.0112, 69.7516, 70.9971



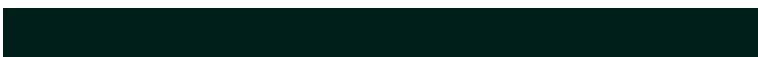
16.7035, 18.5609, 50.8481



9.7457, 10.7844, 11.9105



16.5828, 26.2234, 26.9296



0.6664, 1.0339, 1.1438

Inverse Universe

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



21.3778, 11.1148, 2.6106



37.9129, 19.5071, 3.4783



23.3075, 15.3899, 1.9725



9.5866, 9.5590, 10.2122



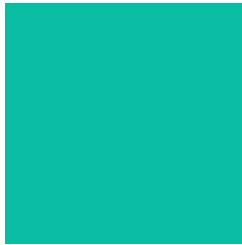
14.2808, 7.3435, 1.5066



0.5781, 0.2951, 0.1576

Previews

White Background



This preview shows how the XYZ color 24.8193, 39.0555, 40.4128 looks on a white background.

Color Contrast Check

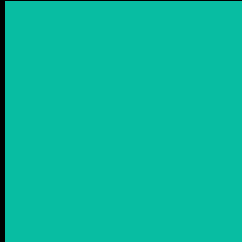
Large Text (above 18pt) WCAG AA × Fail

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 24.8193, 39.0555, 40.4128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

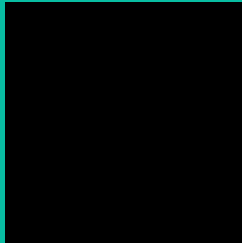
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

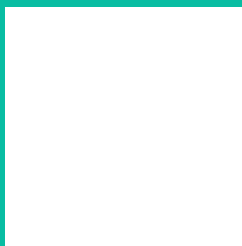
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.8193, 39.0555, 40.4128

Background



This preview shows how black text looks on a background with the XYZ color 24.8193, 39.0555, 40.4128.

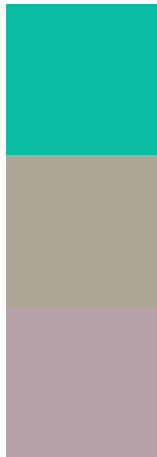


This preview shows how white text looks on a background with the XYZ color 24.8193, 39.0555,

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

24.8193, 39.0555, 40.4128

Protanopia

36.3748, 38.3587, 34.3410

Deuteranopia

39.1042, 38.2620, 42.3701



Tritanopia

28.9175, 39.1614, 60.0676

Trichromacy



Original Color

24.8193, 39.0555, 40.4128



Protanomaly

27.7788, 36.1159, 36.0788



Deuteranomaly

29.0536, 35.8009, 41.4554



Tritanomaly

27.1848, 39.0563, 52.5602

Monochromacy



Original Color

24.8193, 39.0555, 40.4128



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.2796, 26.7919, 30.0891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8193, 39.0555, 40.4128 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(8, 189, 162)` looks like.

```
.text, #text, p{  
    color:rgb(8, 189, 162)  
}
```

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(8, 189, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 189, 162) }
```

Border

The CSS property to change the border of an element to XYZ 24.8193, 39.0555, 40.4128 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(8, 189, 162) }
```


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

```
.border{ border-color:rgb(8, 189, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 189, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 189, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 189, 162);  
box-shadow:4px 4px 4px 4px rgb(8, 189,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8193, 39.0555, 40.4128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 189, 162) }
```

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

```
.background{ background-color: rgb(8, 189,  
162) }
```

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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