

Converting Colors

XYZ(21.5273, 37.6662, 39.4934)

Have a look what the booklet for
XYZ(21.5273, 37.6662, 39.4934)
contains.

XYZ(24.7586, 39.3650, 39.5510)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.7586, 39.3650,
39.5510)**

Conversions

Conversions Part 1

Format	Color
Hex	00BEA0
RGB	0, 190, 160
RGB Percent	0%, 75%, 63%
CMY	0.9999, 0.2549, 0.3725
CMYK	1.00, 0.00, 0.16, 0.25
HSL	171°, 100%, 37%
HSV	171°, 100%, 75%
XYZ	24.7586, 39.3650, 39.5510
YIQ	129.7700, -103.6100, -49.6100

Conversions

Conversions Part 2

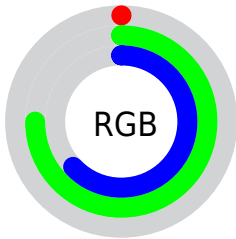
Format	Color
RYB	0, 103, 190
Decimal	48800
CIELab	69.01, -47.12, 3.88
CIELCh	69, 47.278, 175.298
Yxy	39.3650, 0.2388, 0.3797
Android (android.graphics.Color)	4278238880 (0xFF00BEA0)
YUV	129.7700, 14.9034, -113.8083
Hunter-Lab	62.7415, -39.3593, 6.5439

Details

The XYZ color **24.7586, 39.3650, 39.5510** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.4709, 11.0419, 2.2296**, and the grayscale version is **21.1151, 22.2147, 24.1918**.

A 20% lighter version of the original color is **50.6721, 74.0805, 75.9182**, and **11.4243, 18.4321, 17.4236** is the 20% darker color. If you saturate the color by 10%, you get **24.7591, 39.3662, 39.5502**, and if you desaturate by 10%, it is **25.2942, 39.6113, 40.9639**.

Distribution



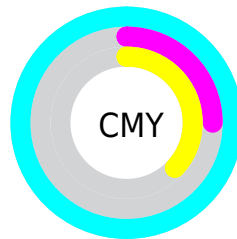
- Red (0%)
- Green (75%)
- Blue (63%)



- Red (0%)
- Yellow (40%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7586, 39.3650, 39.5510 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 24.7586, 39.3650, 39.5510 by changing the saturation by 10% instead.


 24.7586, 39.3650,
39.5510


 24.7586, 39.3650,
39.5510


269.0035,
343.4398, 359.7231


 16.0251, 27.0438,
26.8775


 50.7111, 74.1956,
75.7089


 9.6329, 17.6061,
17.2496


 68.6607, 97.4737,
100.0304


 5.2166, 10.6676,
10.2488


 90.4130, 125.1730,
129.0716

 2.4110, 5.8438,
5.4565

 116.3335,
157.6778, 163.2512

 0.8506, 2.7503,
2.4541

 146.7874,
195.3725, 202.9876

 0.0000, 1.0028,
0.8157

182.1402,

 0.0000, 0.0000,

238.6414, 248.6993

0.0000

222.7571,
287.8691, 300.8050

■ 24.7586, 39.3650,
39.5510

■ 24.7586, 39.3650,
39.5510

■ 24.7591, 39.3662,
39.5502

■ 25.2942, 39.6113,
40.9639

■ 26.0975, 39.9940,
42.4218

■ 27.2646, 40.5635,
43.9302

■ 28.8433, 41.3445,
45.4916

■ 30.8743, 42.3578,
47.1082

■ 33.3932, 43.6219,
48.7818

■ 36.4321, 45.1533,
50.5141

■ 40.0202, 46.9671,
52.3068

■ 44.1847, 49.0772,
54.1613

Harmonies

Analogous

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



26.7277, 39.3650, 23.3204



24.7586, 39.3650, 39.5510



25.7902, 39.3650, 63.1398

Triad

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



24.7586, 39.3650, 39.5510



43.9511, 39.3650, 92.3562



46.2802, 39.3650, 17.0071

Complementary

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



24.7586, 39.3650, 39.5510



21.4709, 11.0419, 2.2296

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.



52.0947, 39.3650, 27.4693



24.7586, 39.3650, 39.5510



50.6284, 39.3650, 71.0748

Square

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



24.7586, 39.3650, 39.5510



36.2406, 39.3650, 98.9079



53.7836, 39.3650, 46.3524



38.6150, 39.3650, 13.3906

Rectangle

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



24.7586, 39.3650, 39.5510



28.1250, 39.3650, 79.6154



53.7836, 39.3650, 46.3524



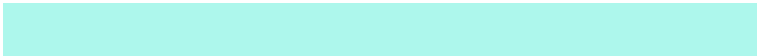
48.5544, 39.3650, 19.6246

Sweetspot

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



24.7597, 39.3665, 39.5519



65.7204, 81.6713, 91.3768



19.0002, 37.1304, 6.1661



13.8937, 17.6630, 19.7688



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



24.7597, 39.3665, 39.5519



44.7886, 71.3041, 71.2633



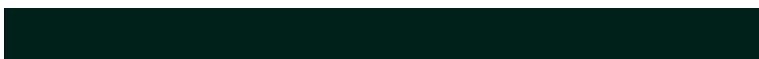
16.8426, 18.8133, 51.4606



9.7421, 10.7830, 11.8913



16.4868, 26.1850, 26.4237



0.6635, 1.0328, 1.1281

Inverse Universe

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



21.4709, 11.0419, 2.2296



38.8486, 19.9847, 3.7347



23.0331, 14.5415, 1.5935



9.5900, 9.5603, 10.2298



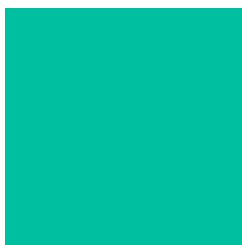
14.2953, 7.3493, 1.5830



0.5796, 0.2957, 0.1653

Previews

White Background



This preview shows how the XYZ color 24.7586, 39.3650, 39.5510 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 24.7586, 39.3650, 39.5510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

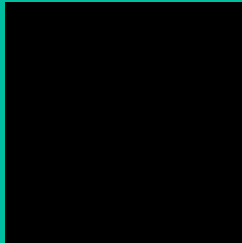
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

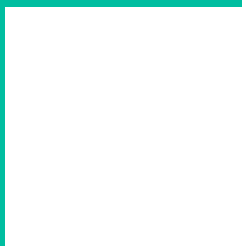
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7586, 39.3650, 39.5510

Background



This preview shows how black text looks on a background with the XYZ color 24.7586, 39.3650, 39.5510.

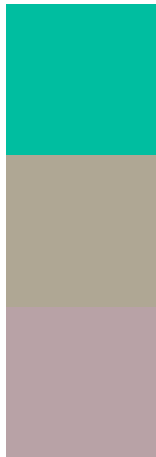


This preview shows how white text looks on a background with the XYZ color 24.7586, 39.3650,

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

24.7586, 39.3650, 39.5510

Protanopia

36.8432, 38.8895, 33.5816

Deuteranopia

39.5704, 38.7842, 41.4769



Tritanopia

28.9706, 39.1888, 60.0701

Trichromacy



Original Color

24.7586, 39.3650, 39.5510



Protanomaly

27.5530, 36.3065, 35.2614



Deuteranomaly

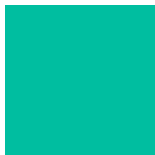
28.7895, 35.9673, 40.5470



Tritanomaly

26.9755, 38.9607, 51.9973

Monochromacy



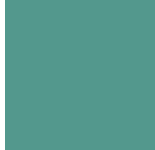
Original Color

24.7586, 39.3650, 39.5510



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.6032, 26.2186, 29.2268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7586, 39.3650, 39.5510 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, 190, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 160)  
}
```

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, 190, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 160) }
```

Border

The CSS property to change the border of an element to XYZ 24.7586, 39.3650, 39.5510 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, 190, 160) }
```


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

```
.border{ border-color:rgb(0, 190, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7586, 39.3650, 39.5510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 160) }
```

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

```
.background{ background-color: rgb(0, 190,  
160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor