

Converting Colors

XYZ(24.6722, 39.7655, 37.7547)

Have a look what the booklet for
XYZ(24.6722, 39.7655, 37.7547)
contains.

XYZ(24.6316, 39.6619, 37.8098)	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(24.6316, 39.6619,
37.8098)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF9C
RGB	0, 191, 156
RGB Percent	0%, 75%, 61%
CMY	0.9999, 0.2510, 0.3882
CMYK	1.00, 0.00, 0.18, 0.25
HSL	169°, 100%, 37%
HSV	169°, 100%, 75%
XYZ	24.6316, 39.6619, 37.8098
YIQ	129.9010, -102.6010, -51.3770

Conversions

Conversions Part 2

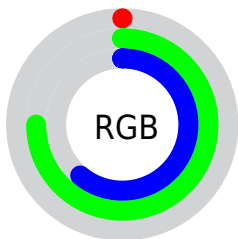
Format	Color
RYB	0, 105, 191
Decimal	49052
CIELab	69.23, -48.58, 6.37
CIELCh	69, 49.000, 172.532
Yxy	39.6619, 0.2412, 0.3884
Android (android.graphics.Color)	4278239132 (0xFF00BF9C)
YUV	129.9010, 12.8668, -113.9232
Hunter-Lab	62.9777, -40.3967, 8.4886

Details

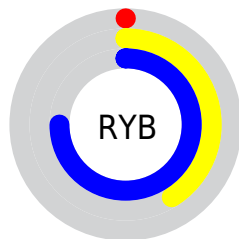
The XYZ color **24.6316, 39.6619, 37.8098** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.7908, 11.1989, 2.6057**, and the grayscale version is **21.1687, 22.2711, 24.2533**.

A 20% lighter version of the original color is **50.3458, 74.4406, 72.6877**, and **11.3540, 18.6282, 16.3618** is the 20% darker color. If you saturate the color by 10%, you get **24.6319, 39.6630, 37.8082**, and if you desaturate by 10%, it is **25.2043, 39.9233, 39.4075**.

Distribution



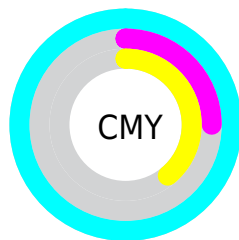
- Red (0%)
- Green (75%)
- Blue (61%)



- Red (0%)
- Yellow (41%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.6316, 39.6619, 37.8098 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 24.6316, 39.6619, 37.8098 by changing the saturation by 10% instead.


 24.6316, 39.6619,
37.8098


 24.6316, 39.6619,
37.8098


268.3799,
344.6965, 352.0771


 15.9301, 27.2750,
25.5344


 50.5061, 74.6484,
73.0167


 9.5652, 17.7799,
16.2530

 68.4099, 98.0168,
96.7853


 5.1717, 10.7921,
9.5471


 90.1117, 125.8145,
125.2221

 2.3841, 5.9272,
4.9981

 115.9770,
158.4259, 158.7455

 0.8372, 2.8009,
2.1874

 146.3711,
196.2354, 197.7742

 0.0000, 1.0287,
0.6671

181.6594,

 0.0000, 0.0000,

239.6274, 242.7266

0.0000

222.2072,
288.9863, 294.0214

■ 24.6316, 39.6619,
37.8098

■ 24.6316, 39.6619,
37.8098

■ 24.6319, 39.6630,
37.8082

■ 25.2043, 39.9233,
39.4075

■ 26.0504, 40.3238,
41.0620

■ 27.2670, 40.9142,
42.7792

■ 28.9025, 41.7196,
44.5617

■ 30.9980, 42.7611,
46.4118

■ 33.5898, 44.0574,
48.3315

■ 36.7103, 45.6252,
50.3227

■ 40.3892, 47.4799,
52.3871

■ 44.6541, 49.6356,
54.5264

Harmonies

Analogous

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



26.9476, 39.6619, 21.8753



24.6316, 39.6619, 37.8098



25.4103, 39.6619, 61.9451

Triad

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



24.6316, 39.6619, 37.8098



43.7783, 39.6619, 96.6411



47.6385, 39.6619, 17.1709

Complementary

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



24.6316, 39.6619, 37.8098



21.7908, 11.1989, 2.6057

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.



53.4177, 39.6619, 28.6557



24.6316, 39.6619, 37.8098



50.9822, 39.6619, 75.1568

Square

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



24.6316, 39.6619, 37.8098



35.7706, 39.6619, 101.7433



54.7194, 39.6619, 49.0471



39.6923, 39.6619, 12.9518

Rectangle

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



24.6316, 39.6619, 37.8098



27.6383, 39.6619, 79.4669



54.7194, 39.6619, 49.0471



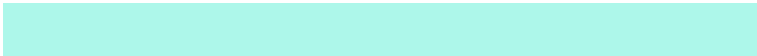
49.9418, 39.6619, 20.0695

Sweetspot

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



24.6327, 39.6634, 37.8107



65.4489, 81.5627, 89.9472



19.3262, 37.6210, 6.2439



13.8265, 17.6361, 19.4144



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.



24.6327, 39.6634, 37.8107



44.0304, 71.0008, 67.2708



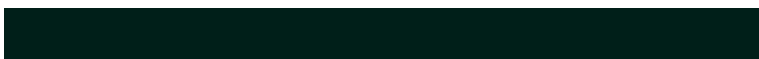
17.4578, 19.8681, 52.2067



9.7315, 10.7787, 11.8357



16.2146, 26.0761, 24.9906



0.6550, 1.0294, 1.0834

Inverse Universe

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



21.7908, 11.1989, 2.6057



38.9614, 20.0299, 4.3291



23.1292, 14.3617, 1.5539



9.5997, 9.5642, 10.2809



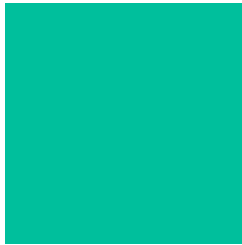
14.3417, 7.3678, 1.8271



0.5838, 0.2974, 0.1877

Previews

White Background



This preview shows how the XYZ color 24.6316, 39.6619, 37.8098 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 24.6316, 39.6619, 37.8098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

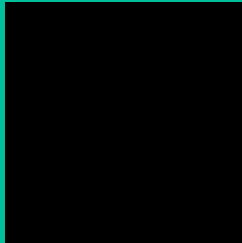
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

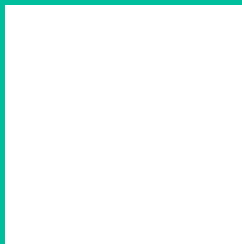
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.6316, 39.6619, 37.8098

Background



This preview shows how black text looks on a background with the XYZ color 24.6316, 39.6619, 37.8098.

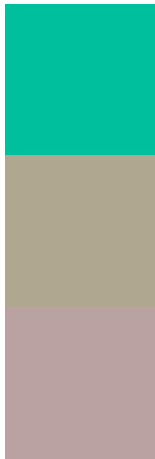


This preview shows how white text looks on a background with the XYZ color 24.6316, 39.6619,

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

24.6316, 39.6619, 37.8098

Protanopia

36.7573, 38.8812, 31.9531

Deuteranopia

39.6916, 38.8884, 39.5967



Tritanopia

29.4052, 39.7088, 60.7583

Trichromacy



Original Color

24.6316, 39.6619, 37.8098



Protanomaly

27.5527, 36.6335, 33.6358



Deuteranomaly

28.7599, 36.2768, 38.7440



Tritanomaly

27.1496, 39.3764, 51.5169

Monochromacy



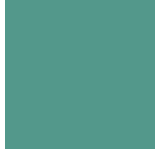
Original Color

24.6316, 39.6619, 37.8098



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.4557, 26.1596, 28.4500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6316, 39.6619, 37.8098 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, 191, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 156)  
}
```

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, 191, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 156) }
```

Border

The CSS property to change the border of an element to XYZ 24.6316, 39.6619, 37.8098 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, 191, 156) }
```


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

```
.border{ border-color:rgb(0, 191, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 191, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6316, 39.6619, 37.8098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 191, 156) }
```

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

```
.background{ background-color: rgb(0, 191,  
156) }
```

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