

Converting Colors

XYZ(24.1624, 38.6780, 37.7942)

Have a look what the booklet for
XYZ(24.1624, 38.6780, 37.7942)
contains.

XYZ(24.1983, 38.7955, 37.6654)	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(24.1983, 38.7955,
37.6654)**

Conversions

Conversions Part 1

Format	Color
Hex	00BD9C
RGB	0, 189, 156
RGB Percent	0%, 74%, 61%
CMY	0.9999, 0.2588, 0.3882
CMYK	1.00, 0.00, 0.17, 0.26
HSL	170°, 100%, 37%
HSV	170°, 100%, 74%
XYZ	24.1983, 38.7955, 37.6654
YIQ	128.7270, -102.0510, -50.3310

Conversions

Conversions Part 2

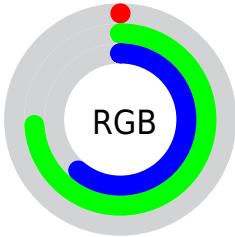
Format	Color
RYB	0, 104, 189
Decimal	48540
CIELab	68.60, -47.77, 5.47
CIELCh	69, 48.082, 173.468
Yxy	38.7955, 0.2404, 0.3854
Android (android.graphics.Color)	4278238620 (0xFF00BD9C)
YUV	128.7270, 13.4456, -112.8936
Hunter-Lab	62.2860, -39.6528, 7.7466

Details

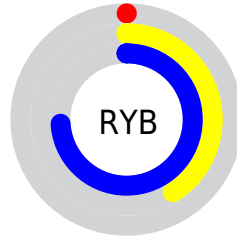
The XYZ color **24.1983, 38.7955, 37.6654** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.2621, 10.9296, 2.4294**, and the grayscale version is **20.7534, 21.8342, 23.7774**.

A 20% lighter version of the original color is **49.7342, 73.2173, 72.4839**, and **11.0749, 18.0701, 16.2688** is the 20% darker color. If you saturate the color by 10%, you get **24.1988, 38.7968, 37.6648**, and if you desaturate by 10%, it is **24.7495, 39.0479, 39.1710**.

Distribution



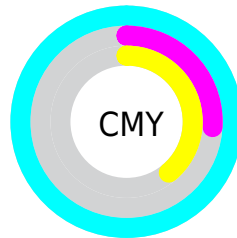
- Red (0%)
- Green (74%)
- Blue (61%)



- Red (0%)
- Yellow (41%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1983, 38.7955, 37.6654 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 24.1983, 38.7955, 37.6654 by changing the saturation by 10% instead.


 24.1983, 38.7955,
37.6654

 24.1983, 38.7955,
37.6654


266.2434,
341.0203, 351.4375


 15.6063, 26.6007,
25.4233


 49.8059, 73.3258,
72.7927


 9.3351, 17.2735,
16.1708

 67.5523, 96.4301,
96.5150


 5.0192, 10.4297,
9.4894


 89.0808, 123.9396,
124.9011

 2.2934, 5.6848,
4.9606

 114.7569,
156.2388, 158.3695

 0.7913, 2.6544,
2.1658

 144.9458,
193.7121, 197.3388

 0.0000, 0.9541,
0.6546

180.0129,

 0.0000, 0.0000,

236.7438, 242.2276

0.0000

220.3237,
285.7184, 293.4543

■ 24.1983, 38.7955,
37.6654

■ 24.1983, 38.7955,
37.6654

■ 24.1988, 38.7968,
37.6648

■ 24.7495, 39.0479,
39.1710

■ 25.5663, 39.4353,
40.7282

■ 26.7438, 40.0078,
42.3425

■ 28.3293, 40.7898,
44.0165

■ 30.3629, 41.8018,
45.7523

■ 32.8798, 43.0621,
47.5518

■ 35.9117, 44.5870,
49.4169

■ 39.4875, 46.3913,
51.3492

■ 43.6340, 48.4889,
53.3502

Harmonies

Analogous

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



26.3519, 38.7955, 21.9356



24.1983, 38.7955, 37.6654



25.0476, 38.7955, 61.1559

Triad

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



24.1983, 38.7955, 37.6654



42.9928, 38.7955, 93.3125



46.2558, 38.7955, 16.7820

Complementary

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



24.1983, 38.7955, 37.6654



21.2621, 10.9296, 2.4294

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.



51.9367, 38.7955, 27.6948



24.1983, 38.7955, 37.6654



49.8794, 38.7955, 72.3064

Square

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



24.1983, 38.7955, 37.6654



35.2394, 38.7955, 98.8179



53.3462, 38.7955, 47.1744



38.5583, 38.7955, 12.8480

Rectangle

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



24.1983, 38.7955, 37.6654



27.2688, 38.7955, 77.9880



53.3462, 38.7955, 47.1744



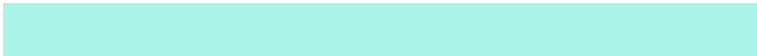
48.5051, 38.7955, 19.5287

Sweetspot

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



24.1994, 38.7970, 37.6663



64.0270, 79.7071, 88.3361



18.8802, 36.7481, 6.0986



13.2558, 16.8825, 18.6909



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.



24.1994, 38.7970, 37.6663



43.2587, 69.4506, 67.0344



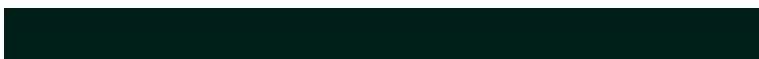
17.0570, 19.4167, 50.9946



9.7351, 10.7802, 11.8546



16.3063, 26.1128, 25.4733



0.6579, 1.0305, 1.0985

Inverse Universe

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



21.2621, 10.9296, 2.4294



38.0179, 19.5491, 4.0310



22.5959, 14.0368, 1.5190



9.5964, 9.5628, 10.2634



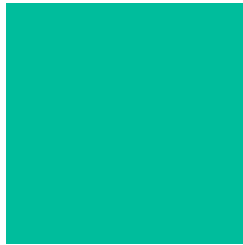
14.3252, 7.3612, 1.7400



0.5824, 0.2968, 0.1800

Previews

White Background



This preview shows how the XYZ color 24.1983, 38.7955, 37.6654 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 24.1983, 38.7955, 37.6654 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

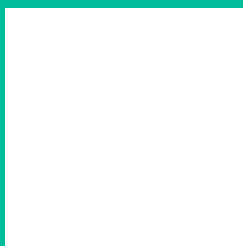
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1983, 38.7955, 37.6654

Background



This preview shows how black text looks on a background with the XYZ color 24.1983, 38.7955, 37.6654.



This preview shows how white text looks on a background with the XYZ color 24.1983, 38.7955,

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

24.1983, 38.7955, 37.6654

Protanopia

36.1258, 38.2847, 31.8712

Deuteranopia

39.0336, 38.2887, 39.5156



Tritanopia

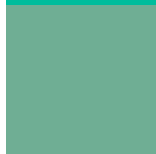
28.7021, 38.7564, 59.3941

Trichromacy



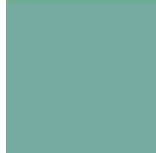
Original Color

24.1983, 38.7955, 37.6654



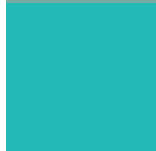
Protanomaly

27.0369, 35.7897, 33.5001



Deuteranomaly

28.2442, 35.4458, 38.6108



Tritanomaly

26.5893, 38.4741, 50.8246

Monochromacy



Original Color

24.1983, 38.7955, 37.6654



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.2065, 25.7911, 28.3920

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1983, 38.7955, 37.6654 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, 189, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 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, 189, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 156) }
```

Border

The CSS property to change the border of an element to XYZ 24.1983, 38.7955, 37.6654 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, 189, 156) }
```


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

```
.border{ border-color:rgb(0, 189, 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, 189, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1983, 38.7955, 37.6654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 156) }
```

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

```
.background{ background-color: rgb(0, 189,  
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