

Converting Colors

XYZ(24.2004, 39.3444, 36.1717)

Have a look what the booklet for
XYZ(24.2004, 39.3444, 36.1717)
contains.

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Color

**XYZ(24.2983, 39.5286,
36.0549)**

Conversions

Conversions Part 1

Format	Color
Hex	00BF98
RGB	0, 191, 152
RGB Percent	0%, 75%, 60%
CMY	0.9999, 0.2510, 0.4039
CMYK	1.00, 0.00, 0.20, 0.25
HSL	168°, 100%, 37%
HSV	168°, 100%, 75%
XYZ	24.2983, 39.5286, 36.0549
YIQ	129.4450, -101.3170, -52.6210

Conversions

Conversions Part 2

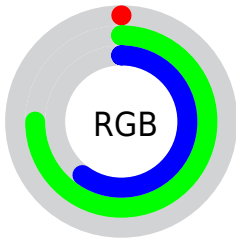
Format	Color
RYB	0, 106, 191
Decimal	49048
CIELab	69.13, -49.62, 8.41
CIELCh	69, 50.325, 170.376
Yxy	39.5286, 0.2433, 0.3958
Android (android.graphics.Color)	4278239128 (0xFF00BF98)
YUV	129.4450, 11.1196, -113.5233
Hunter-Lab	62.8718, -41.0400, 10.0094

Details

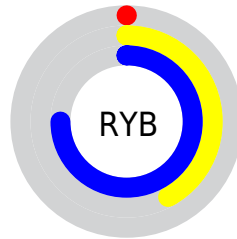
The XYZ color **24.2983, 39.5286, 36.0549** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.8535, 11.2239, 2.9363**, and the grayscale version is **21.0131, 22.1074, 24.0749**.

A 20% lighter version of the original color is **49.8536, 74.2437, 70.0954**, and **11.1531, 18.5479, 15.3042** is the 20% darker color. If you saturate the color by 10%, you get **24.2987, 39.5298, 36.0537**, and if you desaturate by 10%, it is **24.8949, 39.7996, 37.7791**.

Distribution



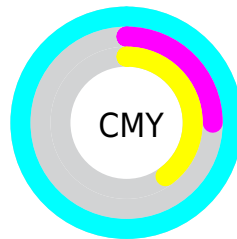
- Red (0%)
- Green (75%)
- Blue (60%)



- Red (0%)
- Yellow (42%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2983, 39.5286, 36.0549 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 24.2983, 39.5286, 36.0549 by changing the saturation by 10% instead.


 24.2983, 39.5286,
36.0549


 24.2983, 39.5286,
36.0549


266.7377,
344.1327, 344.2451


 15.6810, 27.1712,
24.1866


 49.9677, 74.4451,
70.2868


 9.3881, 17.7018,
15.2586


 67.7505, 97.7731,
93.4874


 5.0543, 10.7361,
8.8524


 89.3191, 125.5266,
121.3026

 2.3142, 5.8897,
4.5496

 115.0390,
158.0902, 154.1508

 0.8019, 2.7781,
1.9314

 145.2754,
195.8482, 192.4506

 0.0000, 1.0170,
0.5126

180.3938,

 0.0000, 0.0000,

239.1850, 236.6206

0.0000

220.7594,
288.4850, 287.0792

■ 24.2983, 39.5286,
36.0549

■ 24.2983, 39.5286,
36.0549

■ 24.2987, 39.5298,
36.0537

■ 24.8949, 39.7996,
37.7791

■ 25.7670, 40.2105,
39.5707

■ 27.0115, 40.8120,
41.4356

■ 28.6769, 41.6293,
43.3766

■ 30.8045, 42.6836,
45.3960

■ 33.4304, 43.9936,
47.4962

■ 36.5871, 45.5759,
49.6790

■ 40.3044, 47.4459,
51.9463

■ 44.6098, 49.6178,
54.3000

Harmonies

Analogous

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



26.8779, 39.5286, 20.5303



24.2983, 39.5286, 36.0549



24.8633, 39.5286, 60.3671

Triad

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



24.2983, 39.5286, 36.0549



43.2139, 39.5286, 99.3073



48.3163, 39.5286, 17.1534

Complementary

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



24.2983, 39.5286, 36.0549



21.8535, 11.2239, 2.9363

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.



54.0041, 39.5286, 29.3929



24.2983, 39.5286, 36.0549



50.7791, 39.5286, 77.8963

Square

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



24.2983, 39.5286, 36.0549



35.0453, 39.5286, 103.1036



54.9646, 39.5286, 50.8734



40.2147, 39.5286, 12.4847

Rectangle

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



24.2983, 39.5286, 36.0549



26.9823, 39.5286, 78.5592



54.9646, 39.5286, 50.8734



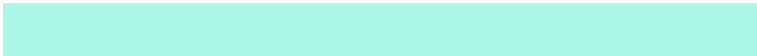
50.6198, 39.5286, 20.2598

Sweetspot

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



24.2994, 39.5301, 36.0558



65.2269, 81.4739, 88.7782



19.5622, 37.7427, 6.2547



13.7715, 17.6141, 19.1251



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.



24.2994, 39.5301, 36.0558



43.4272, 70.7595, 64.0943



18.3350, 21.6226, 52.4992



9.7228, 10.7752, 11.7899



15.9978, 25.9894, 23.8488



0.6481, 1.0266, 1.0474

Inverse Universe

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



21.8535, 11.2239, 2.9363



39.0682, 20.0726, 4.8913



22.8122, 13.7277, 1.4481



9.6077, 9.5674, 10.3233



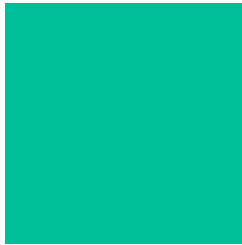
14.3849, 7.3851, 2.0543



0.5873, 0.2988, 0.2062

Previews

White Background



This preview shows how the XYZ color 24.2983, 39.5286, 36.0549 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 24.2983, 39.5286, 36.0549 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

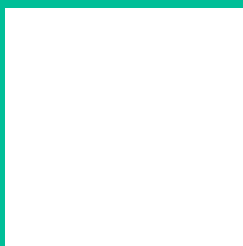
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.2983, 39.5286, 36.0549

Background



This preview shows how black text looks on a background with the XYZ color 24.2983, 39.5286, 36.0549.

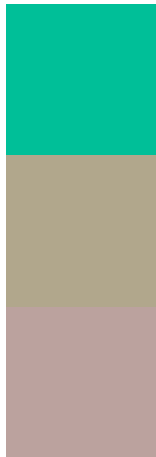


This preview shows how white text looks on a background with the XYZ color 24.2983, 39.5286,

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

24.2983, 39.5286, 36.0549

Protanopia

36.6838, 38.8780, 30.3817

Deuteranopia

39.5854, 38.8741, 37.7648



Tritanopia

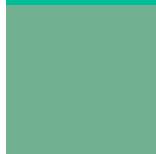
29.5192, 39.7676, 60.7637

Trichromacy



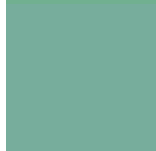
Original Color

24.2983, 39.5286, 36.0549



Protanomaly

27.3694, 36.5750, 32.0027



Deuteranomaly

28.5521, 36.2094, 36.9367



Tritanomaly

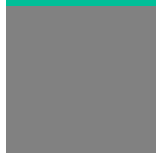
27.0805, 39.3529, 50.9683

Monochromacy



Original Color

24.2983, 39.5286, 36.0549



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.2233, 26.0565, 27.6831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2983, 39.5286, 36.0549 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 152) }
```

Border

The CSS property to change the border of an element to XYZ 24.2983, 39.5286, 36.0549 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, 152) }
```


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

```
.border{ border-color:rgb(0, 191, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2983, 39.5286, 36.0549 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, 152) }
```

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

```
.background{ background-color: rgb(0, 191,  
152) }
```

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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