

Converting Colors

XYZ(22.2152, 38.0788, 40.6840)

Have a look what the booklet for
XYZ(22.2152, 38.0788, 40.6840)
contains.

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Color

**XYZ(25.0243, 39.4713,
40.9501)**

Conversions

Conversions Part 1

Format	Color
Hex	00BEA3
RGB	0, 190, 163
RGB Percent	0%, 75%, 64%
CMY	0.9999, 0.2549, 0.3608
CMYK	1.00, 0.00, 0.14, 0.25
HSL	171°, 100%, 37%
HSV	171°, 100%, 75%
XYZ	25.0243, 39.4713, 40.9501
YIQ	130.1120, -104.5730, -48.6770

Conversions

Conversions Part 2

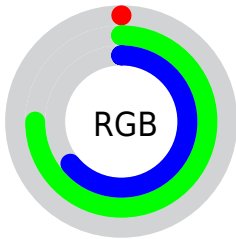
Format	Color
RYB	0, 102, 190
Decimal	48803
CIELab	69.09, -46.31, 2.34
CIELCh	69, 46.369, 177.102
Yxy	39.4713, 0.2373, 0.3743
Android (android.graphics.Color)	4278238883 (0xFF00BEA3)
YUV	130.1120, 16.2138, -114.1082
Hunter-Lab	62.8262, -38.8475, 5.3331

Details

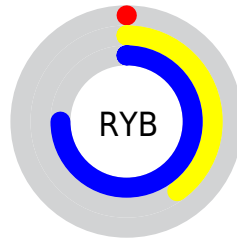
The XYZ color **25.0243, 39.4713, 40.9501** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.4344, 11.0273, 2.0373**, and the grayscale version is **21.2317, 22.3374, 24.3255**.

A 20% lighter version of the original color is **51.0612, 74.2361, 77.9675**, and **11.5332, 18.4756, 17.9972** is the 20% darker color. If you saturate the color by 10%, you get **25.0248, 39.4725, 40.9494**, and if you desaturate by 10%, it is **25.5388, 39.7092, 42.2518**.

Distribution



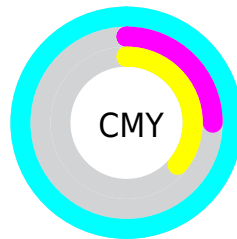
- Red (0%)
- Green (75%)
- Blue (64%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0243, 39.4713, 40.9501 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 25.0243, 39.4713, 40.9501 by changing the saturation by 10% instead.


 25.0243, 39.4713,
40.9501


 25.0243, 39.4713,
40.9501


270.3043,
343.8901, 365.7825


 16.2240, 27.1266,
27.9607


 51.1393, 74.3578,
77.8610


 9.7746, 17.6683,
18.0572


 69.1846, 97.6683,
102.6195


 5.3109, 10.7121,
10.8212


 91.0423, 125.4028,
132.1382

 2.4674, 5.8736,
5.8341

 117.0778,
157.9458, 166.8356

 0.8789, 2.7684,
2.6773

 147.6564,
195.6817, 207.1301

 0.0000, 1.0120,
0.9320

183.1435,

 0.0000, 0.0000,

238.9947, 253.4404

0.0000

223.9043,
288.2694, 306.1850

■ 25.0243, 39.4713,
40.9501

■ 25.0243, 39.4713,
40.9501

■ 25.0248, 39.4725,
40.9494

■ 25.5388, 39.7092,
42.2518

■ 26.3198, 40.0830,
43.5923

■ 27.4634, 40.6431,
44.9770

■ 29.0175, 41.4141,
46.4084

■ 31.0226, 42.4171,
47.8885

■ 33.5144, 43.6704,
49.4192

■ 36.5249, 45.1905,
51.0021

■ 40.0834, 46.9924,
52.6387

■ 44.2171, 49.0902,
54.3306

Harmonies

Analogous

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



26.7924, 39.4713, 24.4262



25.0243, 39.4713, 40.9501



26.2218, 39.4713, 64.3442

Triad

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



25.0243, 39.4713, 40.9501



44.3792, 39.4713, 90.4174



45.7875, 39.4713, 17.0386

Complementary

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



25.0243, 39.4713, 40.9501



21.4344, 11.0273, 2.0373

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.



51.6619, 39.4713, 26.9573



25.0243, 39.4713, 40.9501



50.7766, 39.4713, 69.1280

Square

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



25.0243, 39.4713, 40.9501



36.8015, 39.4713, 97.8746



53.5969, 39.4713, 45.0708



38.2402, 39.4713, 13.7741

Rectangle

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



25.0243, 39.4713, 40.9501



28.6403, 39.4713, 80.2756



53.5969, 39.4713, 45.0708



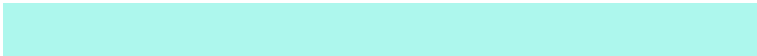
48.0593, 39.4713, 19.5034

Sweetspot

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



25.0254, 39.4728, 40.9510



65.8909, 81.7395, 92.2746



18.9075, 37.0826, 6.1618



13.9361, 17.6799, 19.9916



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.



25.0254, 39.4728, 40.9510



45.2761, 71.4991, 73.8302



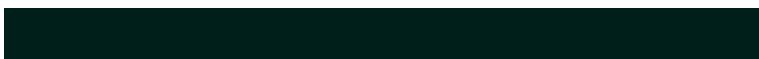
16.4414, 18.0109, 51.3269



9.7487, 10.7856, 11.9260



16.6615, 26.2549, 27.3442



0.6689, 1.0349, 1.1565

Inverse Universe

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



21.4344, 11.0273, 2.0373



38.7870, 19.9601, 3.4107



23.2147, 14.9047, 1.6541



9.5839, 9.5579, 10.1980



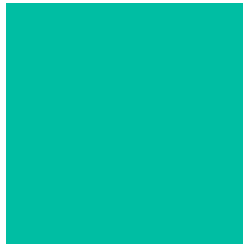
14.2696, 7.3390, 1.4476



0.5769, 0.2947, 0.1514

Previews

White Background



This preview shows how the XYZ color 25.0243, 39.4713, 40.9501 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 25.0243, 39.4713, 40.9501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

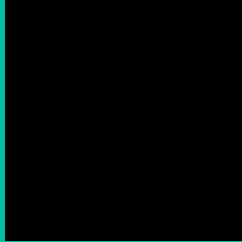
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

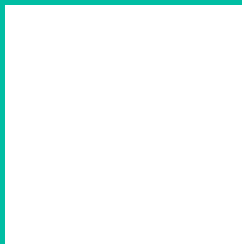
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0243, 39.4713, 40.9501

Background



This preview shows how black text looks on a background with the XYZ color 25.0243, 39.4713, 40.9501.

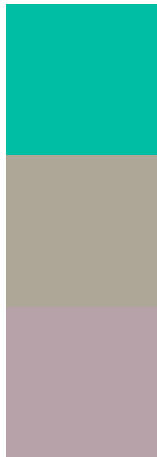


This preview shows how white text looks on a background with the XYZ color 25.0243, 39.4713,

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

25.0243, 39.4713, 40.9501

Protanopia

36.8602, 38.8705, 34.8382

Deuteranopia

39.6102, 38.7725, 42.9323



Tritanopia

29.1905, 39.5981, 60.7483

Trichromacy



Original Color

25.0243, 39.4713, 40.9501



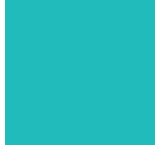
Protanomaly

27.8019, 36.4060, 36.5721



Deuteranomaly

28.9300, 36.0081, 41.9847



Tritanomaly

27.3672, 39.4518, 53.1863

Monochromacy



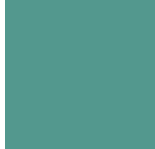
Original Color

25.0243, 39.4713, 40.9501



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.6780, 26.2485, 29.6205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0243, 39.4713, 40.9501 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 163) }
```

Border

The CSS property to change the border of an element to XYZ 25.0243, 39.4713, 40.9501 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, 163) }
```


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

```
.border{ border-color:rgb(0, 190, 163) }
```

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, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 163);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0243, 39.4713, 40.9501 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, 163) }
```

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

```
.background{ background-color: rgb(0, 190,  
163) }
```

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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