

Converting Colors

XYZ(13.2399, 33.8269, 41.0034)

Have a look what the booklet for
XYZ(13.2399, 33.8269, 41.0034)
contains.

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Color

**XYZ(25.3316, 39.9419,
41.4964)**

Conversions

Conversions Part 1

Format	Color
Hex	00BFA4
RGB	0, 191, 164
RGB Percent	0%, 75%, 64%
CMY	0.9999, 0.2510, 0.3569
CMYK	1.00, 0.00, 0.14, 0.25
HSL	172°, 100%, 37%
HSV	172°, 100%, 75%
XYZ	25.3316, 39.9419, 41.4964
YIQ	130.8130, -105.1690, -48.8890

Conversions

Conversions Part 2

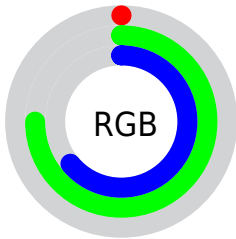
Format	Color
RYB	0, 103, 191
Decimal	49060
CIELab	69.43, -46.46, 2.29
CIELCh	69, 46.511, 177.183
Yxy	39.9419, 0.2373, 0.3741
Android (android.graphics.Color)	4278239140 (0xFF00BFA4)
YUV	130.8130, 16.3612, -114.7230
Hunter-Lab	63.1996, -39.0531, 5.3103

Details

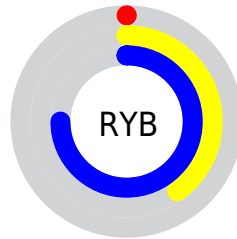
The XYZ color **25.3316, 39.9419, 41.4964** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **21.6850, 11.1566, 2.0491**, and the grayscale version is **21.4803, 22.5989, 24.6102**.

A 20% lighter version of the original color is **51.6091, 74.9586, 78.7662**, and **11.7288, 18.7782, 18.3356** is the 20% darker color. If you saturate the color by 10%, you get **25.3321, 39.9431, 41.4956**, and if you desaturate by 10%, it is **25.8500, 40.1816, 42.8083**.

Distribution



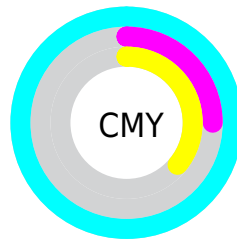
- Red (0%)
- Green (75%)
- Blue (64%)



- 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 25.3316, 39.9419, 41.4964 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 25.3316, 39.9419, 41.4964 by changing the saturation by 10% instead.


 25.3316, 39.9419,
41.4964


 25.3316, 39.9419,
41.4964


271.8026,
345.8786, 368.1289


 16.4543, 27.4932,
28.3845


 51.6337, 75.0750,
78.6987


 9.9391, 17.9440,
18.3742


 69.7892, 98.5283,
103.6263

 5.4206, 10.9098,
11.0467


 91.7682, 126.4186,
133.3294

 2.5333, 6.0062,
5.9837

 117.9360,
159.1302, 168.2268

 0.9121, 2.8489,
2.7666

 148.6580,
197.0477, 208.7369

 0.0000, 1.0533,
0.9767

184.2995,

 0.0000, 0.0000,

240.5553, 255.2783

0.0000

225.2260,
290.0375, 308.2694

■ 25.3316, 39.9419,
41.4964

■ 25.3316, 39.9419,
41.4964

■ 25.3321, 39.9431,
41.4956

■ 25.8500, 40.1816,
42.8083

■ 26.6384, 40.5590,
44.1592

■ 27.7938, 41.1249,
45.5546

■ 29.3646, 41.9044,
46.9970

■ 31.3919, 42.9186,
48.4885

■ 33.9119, 44.1862,
50.0308

■ 36.9570, 45.7238,
51.6257

■ 40.5570, 47.5469,
53.2747

■ 44.7392, 49.6695,
54.9793

Harmonies

Analogous

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



27.1116, 39.9419, 24.7646



25.3316, 39.9419, 41.4964



26.5506, 39.9419, 65.1573

Triad

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



25.3316, 39.9419, 41.4964



44.9221, 39.9419, 91.3985



46.3060, 39.9419, 17.2412

Complementary

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



25.3316, 39.9419, 41.4964



21.6850, 11.1566, 2.0491

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.



52.2523, 39.9419, 27.2530



25.3316, 39.9419, 41.4964



51.3824, 39.9419, 69.8579

Square

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



25.3316, 39.9419, 41.4964



37.2610, 39.9419, 98.9835



54.2210, 39.9419, 45.5463



38.6750, 39.9419, 13.9540

Rectangle

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



25.3316, 39.9419, 41.4964



29.0015, 39.9419, 81.2522



54.2210, 39.9419, 45.5463



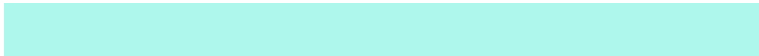
48.6045, 39.9419, 19.7284

Sweetspot

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



25.3327, 39.9434, 41.4973



65.8990, 81.7427, 92.3171



19.1291, 37.5194, 6.2345



13.9381, 17.6807, 20.0021



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.



25.3327, 39.9434, 41.4973



45.2993, 71.5084, 73.9528



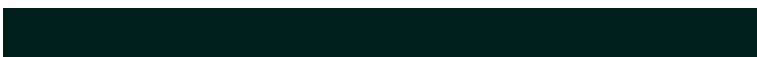
16.6325, 18.2176, 51.9316



9.7490, 10.7857, 11.9277



16.6699, 26.2582, 27.3881



0.6691, 1.0350, 1.1579

Inverse Universe

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



21.6850, 11.1566, 2.0491



38.7843, 19.9590, 3.3962



23.4860, 15.0754, 1.6727



9.5836, 9.5578, 10.1965



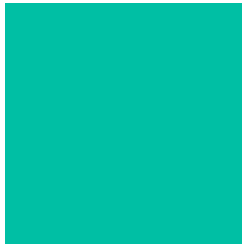
14.2685, 7.3385, 1.4415



0.5768, 0.2946, 0.1507

Previews

White Background



This preview shows how the XYZ color 25.3316, 39.9419, 41.4964 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 25.3316, 39.9419, 41.4964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

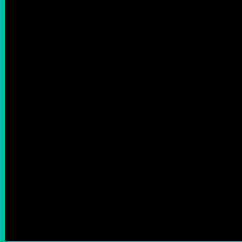
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

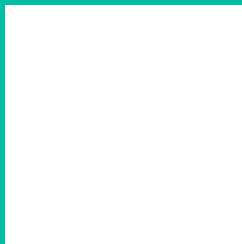
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.3316, 39.9419, 41.4964

Background



This preview shows how black text looks on a background with the XYZ color 25.3316, 39.9419, 41.4964.

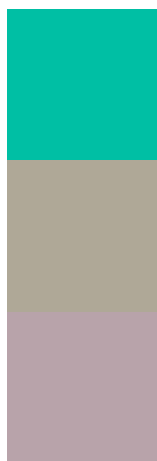


This preview shows how white text looks on a background with the XYZ color 25.3316, 39.9419,

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

25.3316, 39.9419, 41.4964

Protanopia

37.2677, 39.3536, 34.9099

Deuteranopia

40.1201, 39.2870, 43.4988



Tritanopia

29.5697, 40.0917, 61.4383

Trichromacy



Original Color

25.3316, 39.9419, 41.4964



Protanomaly

28.0816, 36.8305, 37.0814



Deuteranomaly

29.3476, 36.4962, 42.5435



Tritanomaly

27.7200, 39.9374, 53.8246

Monochromacy



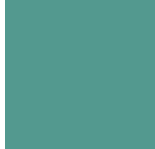
Original Color

25.3316, 39.9419, 41.4964



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.9164, 26.6046, 30.0721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.3316, 39.9419, 41.4964 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, 164)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 164)  
}
```

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, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 164) }
```

Border

The CSS property to change the border of an element to XYZ 25.3316, 39.9419, 41.4964 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, 164) }
```


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

```
.border{ border-color:rgb(0, 191, 164) }
```

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, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 164);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 25.3316, 39.9419, 41.4964 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, 164) }
```

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

```
.background{ background-color: rgb(0, 191,  
164) }
```

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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