

# Converting Colors

XYZ(25.9609, 40.2809, 44.5408)

Have a look what the booklet for  
XYZ(25.9609, 40.2809, 44.5408)  
contains.

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# Color

**XYZ(25.8865, 40.1639,  
44.4183)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BFAA
RGB	0, 191, 170
RGB Percent	0%, 75%, 67%
CMY	0.9999, 0.2510, 0.3333
CMYK	1.00, 0.00, 0.11, 0.25
HSL	173°, 100%, 37%
HSV	173°, 100%, 75%
XYZ	25.8865, 40.1639, 44.4183
YIQ	131.4970, -107.0950, -47.0230

# Conversions

## Conversions Part 2

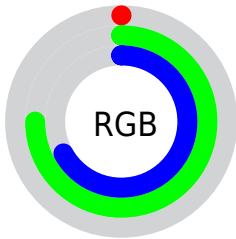
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 101, 191
Decimal	49066
CIELab	69.59, -44.80, -0.77
CIELCh	70, 44.810, 180.982
Yxy	40.1639, 0.2343, 0.3636
Android (android.graphics.Color)	4278239146 (0xFF00BFAA)
YUV	131.4970, 18.9820, -115.3229
Hunter-Lab	63.3750, -37.9951, 2.8073

# Details

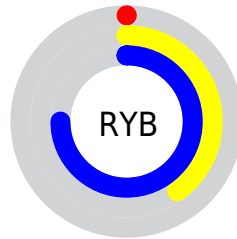
The XYZ color **25.8865, 40.1639, 44.4183** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **21.6226, 11.1316, 1.7199**, and the grayscale version is **21.7164, 22.8474, 24.8808**.

A 20% lighter version of the original color is **52.4135, 75.2804, 83.0022**, and **12.2157, 19.1993, 20.2015** is the 20% darker color. If you saturate the color by 10%, you get **25.8870, 40.1651, 44.4176**, and if you desaturate by 10%, it is **26.3587, 40.3851, 45.4870**.

# Distribution



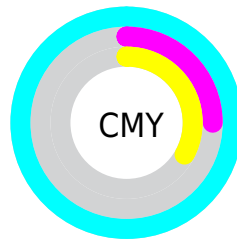
- Red (0%)
- Green (75%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)




- Cyan (100%)
- Magenta (25%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8865, 40.1639, 44.4183 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 25.8865, 40.1639, 44.4183 by changing the saturation by 10% instead.





 25.8865, 40.1639,  
44.4183


 25.8865, 40.1639,  
44.4183


274.4914,  
346.8139, 380.5037


 16.8710, 27.6664,  
30.6599


 52.5244, 75.4130,  
83.1560


 10.2373, 18.0743,  
20.0837


 70.8775, 98.9334,  
108.9723


 5.6200, 11.0033,  
12.2712


 93.0738, 126.8969,  
139.6451

 2.6539, 6.0691,  
6.8039

 119.4787,  
159.6878, 175.5928

 0.9735, 2.8871,  
3.2632

 150.4576,  
197.6905, 217.2340

 0.0000, 1.0731,  
1.2305

186.3757,

 0.0000, 0.0000,

241.2895, 264.9871

0.0038

227.5986,  
290.8692, 319.2709

■ 0.0000, 0.0000,  
0.0000

■ 25.8865, 40.1639,  
44.4183

■ 25.8865, 40.1639,  
44.4183

■ 25.8870, 40.1651,  
44.4176

■ 26.3587, 40.3851,  
45.4870

■ 27.0990, 40.7432,  
46.5839

■ 28.2042, 41.2891,  
47.7147

■ 29.7227, 42.0477,  
48.8816

■ 31.6957, 43.0402,  
50.0867

■ 34.1593, 44.2852,  
51.3316

■ 37.1460, 45.7995,  
52.6181

■ 40.6853, 47.5983,  
53.9475

■ 44.8048, 49.6959,  
55.3213

# Harmonies

## Analogous

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



27.2562, 40.1639, 27.1131



25.8865, 40.1639, 44.4183



27.4472, 40.1639, 67.6133

# Triad

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



25.8865, 40.1639, 44.4183



45.7927, 40.1639, 87.5515



45.3279, 40.1639, 17.3253

# Complementary

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



25.8865, 40.1639, 44.4183



21.6226, 11.1316, 1.7199

# 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.



51.3859, 40.1639, 26.2619



25.8865, 40.1639, 44.4183



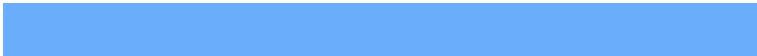
51.6772, 40.1639, 66.0437

# Square

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



25.8865, 40.1639, 44.4183



38.4136, 40.1639, 96.8846



53.8412, 40.1639, 43.0521



37.9366, 40.1639, 14.7681



# Rectangle

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



25.8865, 40.1639, 44.4183



30.0694, 40.1639, 82.5630



53.8412, 40.1639, 43.0521



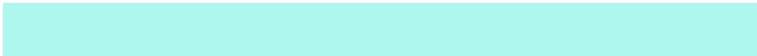
47.6192, 40.1639, 19.5066

# Sweetspot

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



25.8877, 40.1654, 44.4193



66.2416, 81.8798, 94.1214



18.9693, 37.4371, 6.2271



14.0232, 17.7148, 20.4506



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.



25.8877, 40.1654, 44.4193



46.3059, 71.9110, 79.2532



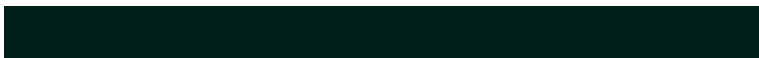
15.8591, 16.6708, 51.6739



9.7622, 10.7910, 11.9970



17.0304, 26.4024, 29.2863



0.6802, 1.0394, 1.2160



# Inverse Universe

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



21.6226, 11.1316, 1.7199



38.6815, 19.9179, 2.8550



23.8848, 15.8729, 1.8057



9.5717, 9.5530, 10.1335



14.2245, 7.3209, 1.2097

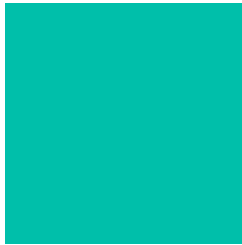


0.5715, 0.2925, 0.1230



# Previews

## White Background



This preview shows how the XYZ color 25.8865, 40.1639, 44.4183 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 25.8865, 40.1639, 44.4183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

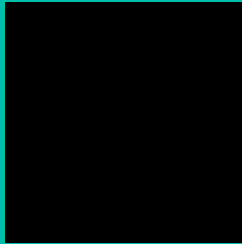
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

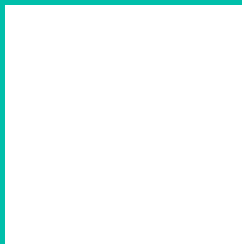
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 25.8865, 40.1639, 44.4183**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.8865, 40.1639, 44.4183.



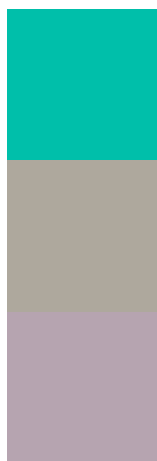
This preview shows how white text looks on a background with the XYZ color 25.8865, 40.1639,



# 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

25.8865, 40.1639, 44.4183

### Protanopia

37.5440, 39.4383, 37.5319

### Deuteranopia

40.4033, 39.6306, 46.5943



## Tritanopia

29.5350, 40.0602, 62.0528

# Trichromacy



## Original Color

25.8865, 40.1639, 44.4183



## Protanomaly

28.6025, 37.0388, 39.8241



## Deuteranomaly

29.9785, 37.0411, 45.6140



## Tritanomaly

27.8731, 39.9912, 54.9652

# Monochromacy



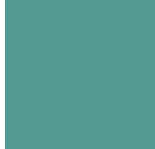
## Original Color

25.8865, 40.1639, 44.4183



## Achromatopsia

21.9318, 23.0740, 25.1276



## Achromatomaly

20.2357, 26.7426, 31.2894

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.8865, 40.1639, 44.4183 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 25.8865, 40.1639, 44.4183 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, 170) }
```



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

```
.border{ border-color:rgb(0, 191, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 170);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.8865, 40.1639, 44.4183 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, 170) }
```

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

```
.background{ background-color: rgb(0, 191,  
170) }
```

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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