

Converting Colors

XYZ(20.0186, 36.4423, 45.1935)

Have a look what the booklet for
XYZ(20.0186, 36.4423, 45.1935)
contains.

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Color

**XYZ(25.6440, 39.3737,
45.2780)**

Conversions

Conversions Part 1

Format	Color
Hex	00BDAC
RGB	0, 189, 172
RGB Percent	0%, 74%, 67%
CMY	0.9999, 0.2588, 0.3255
CMYK	1.00, 0.00, 0.09, 0.26
HSL	175°, 100%, 37%
HSV	175°, 100%, 74%
XYZ	25.6440, 39.3737, 45.2780
YIQ	130.5510, -107.1870, -45.3550

Conversions

Conversions Part 2

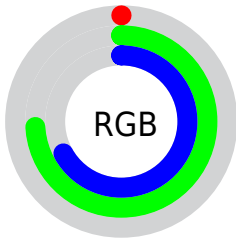
Format	Color
RYB	0, 99, 189
Decimal	48556
CIELab	69.02, -43.38, -2.69
CIELCh	69, 43.467, 183.552
Yxy	39.3737, 0.2325, 0.3570
Android (android.graphics.Color)	4278238636 (0xFF00BDAC)
YUV	130.5510, 20.4344, -114.4932
Hunter-Lab	62.7485, -36.8606, 1.1415

Details

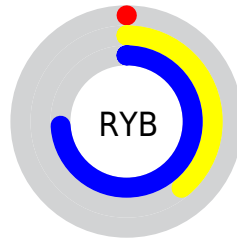
The XYZ color **25.6440, 39.3737, 45.2780** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **21.0888, 10.8605, 1.5166**, and the grayscale version is **21.3746, 22.4877, 24.4891**.

A 20% lighter version of the original color is **52.0764, 74.1669, 84.2440**, and **12.0541, 18.6840, 20.7404** is the 20% darker color. If you saturate the color by 10%, you get **25.6444, 39.3748, 45.2773**, and if you desaturate by 10%, it is **26.0764, 39.5785, 46.1572**.

Distribution



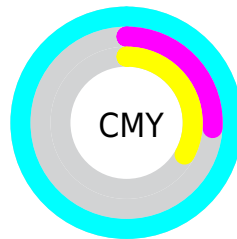
- Red (0%)
- Green (74%)
- Blue (67%)



- Red (0%)
- Yellow (39%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.6440, 39.3737, 45.2780 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 25.6440, 39.3737, 45.2780 by changing the saturation by 10% instead.


 25.6440, 39.3737,
45.2780


 25.6440, 39.3737,
45.2780


273.3190,
343.4767, 384.0912


 16.6888, 27.0506,
31.3319


 52.1355, 74.2089,
84.4603

 10.1068, 17.6112,
20.5911


 70.4024, 97.4897,
110.5336


 5.5326, 10.6712,
12.6371


 92.5041, 125.1918,
141.4863

 2.6010, 5.8462,
7.0514

 118.8056,
157.6997, 177.7371

 0.9464, 2.7518,
3.4153

 149.6726,
195.3978, 219.7044

 0.0000, 1.0036,
1.3104

185.4702,

 0.0000, 0.0000,

238.6704, 267.8069

0.0703

226.5639,
287.9019, 322.4630

■ 0.0000, 0.0000,
0.0000

■ 25.6440, 39.3737,
45.2780

■ 25.6440, 39.3737,
45.2780

■ 25.6444, 39.3748,
45.2773

■ 26.0764, 39.5785,
46.1572

■ 26.7689, 39.9163,
47.0586

■ 27.8166, 40.4369,
47.9877

■ 29.2667, 41.1647,
48.9466

■ 31.1592, 42.1204,
49.9373

■ 33.5292, 43.3220,
50.9614

■ 36.4085, 44.7858,
52.0206

■ 39.8258, 46.5268,
53.1160

■ 43.8080, 48.5588,
54.2492

Harmonies

Analogous

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



26.7221, 39.3737, 28.0302



25.6440, 39.3737, 45.2780



27.3867, 39.3737, 67.5930

Triad

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



25.6440, 39.3737, 45.2780



45.2765, 39.3737, 83.1552



43.6732, 39.3737, 16.9886

Complementary

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



25.6440, 39.3737, 45.2780



21.0888, 10.8605, 1.5166

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.



49.6543, 39.3737, 25.0586



25.6440, 39.3737, 45.2780



50.6572, 39.3737, 62.1987

Square

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



25.6440, 39.3737, 45.2780



38.2547, 39.3737, 93.3118



52.3498, 39.3737, 40.5514



36.6045, 39.3737, 14.9612

Rectangle

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



25.6440, 39.3737, 45.2780



30.0568, 39.3737, 81.4481



52.3498, 39.3737, 40.5514



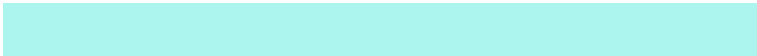
45.9052, 39.3737, 18.9292

Sweetspot

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



25.6451, 39.3752, 45.2789



64.9260, 80.0667, 93.0698



18.4656, 36.5342, 6.0796



13.4742, 16.9698, 19.8409



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.



25.6451, 39.3752, 45.2789



45.8809, 70.4995, 80.8429



15.1377, 15.5777, 50.3546



9.7706, 10.7943, 12.0412



17.2685, 26.4977, 30.5402



0.6874, 1.0423, 1.2540

Inverse Universe

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



21.0888, 10.8605, 1.5166



37.7315, 19.4345, 2.5229



23.5456, 15.9363, 1.8360



9.5641, 9.5499, 10.0935



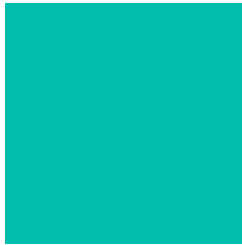
14.2010, 7.3116, 1.0863



0.5682, 0.2912, 0.1053

Previews

White Background



This preview shows how the XYZ color 25.6440, 39.3737, 45.2780 looks on a white background.

Color Contrast Check

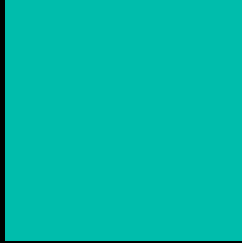
Large Text (above 18pt) WCAG AA × Fail

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 25.6440, 39.3737, 45.2780 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

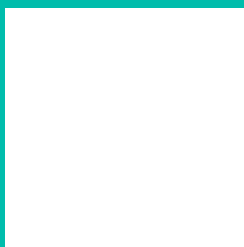
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.6440, 39.3737, 45.2780

Background



This preview shows how black text looks on a background with the XYZ color 25.6440, 39.3737, 45.2780.

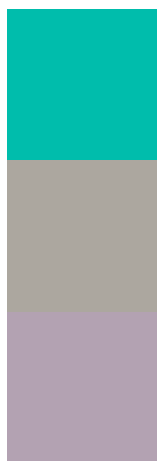


This preview shows how white text looks on a background with the XYZ color 25.6440, 39.3737,

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

25.6440, 39.3737, 45.2780

Protanopia

37.0900, 38.9113, 38.3567

Deuteranopia

39.5466, 38.6387, 47.4932



Tritanopia

28.9466, 39.4724, 60.7369

Trichromacy



Original Color

25.6440, 39.3737, 45.2780



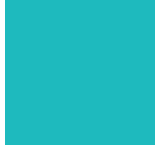
Protanomaly

28.3375, 36.5915, 40.6913



Deuteranomaly

29.5284, 36.2170, 46.5086



Tritanomaly

27.3886, 39.1115, 54.8209

Monochromacy



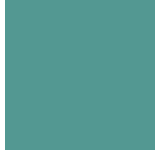
Original Color

25.6440, 39.3737, 45.2780



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.9838, 26.3708, 31.2309

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.6440, 39.3737, 45.2780 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, 172)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 172)  
}
```

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, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 172) }
```

Border

The CSS property to change the border of an element to XYZ 25.6440, 39.3737, 45.2780 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, 172) }
```


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

```
.border{ border-color:rgb(0, 189, 172) }
```

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, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 172);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 25.6440, 39.3737, 45.2780 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, 172) }
```

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

```
.background{ background-color: rgb(0, 189,  
172) }
```

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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