

Converting Colors

XYZ(25.8345, 40.2304, 43.8751)

Have a look what the booklet for
XYZ(25.8345, 40.2304, 43.8751)
contains.

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Color

**XYZ(25.7922, 40.1262,
43.9219)**

Conversions

Conversions Part 1

Format	Color
Hex	00BFA9
RGB	0, 191, 169
RGB Percent	0%, 75%, 66%
CMY	0.9999, 0.2510, 0.3372
CMYK	1.00, 0.00, 0.12, 0.25
HSL	173°, 100%, 37%
HSV	173°, 100%, 75%
XYZ	25.7922, 40.1262, 43.9219
YIQ	131.3830, -106.7740, -47.3340

Conversions

Conversions Part 2

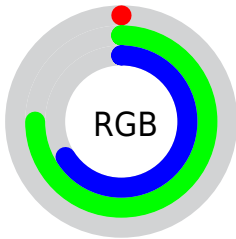
Format	Color
RYB	0, 101, 191
Decimal	49065
CIELab	69.56, -45.08, -0.26
CIELCh	70, 45.083, 180.330
Yxy	40.1262, 0.2348, 0.3653
Android (android.graphics.Color)	4278239145 (0xFF00BFA9)
YUV	131.3830, 18.5452, -115.2229
Hunter-Lab	63.3452, -38.1746, 3.2316

Details

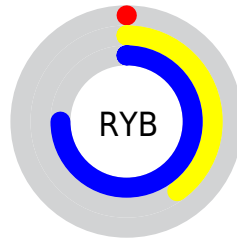
The XYZ color **25.7922, 40.1262, 43.9219** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **21.6320, 11.1353, 1.7696**, and the grayscale version is **21.6766, 22.8054, 24.8351**.

A 20% lighter version of the original color is **52.2775, 75.2259, 82.2858**, and **12.0150, 18.8927, 19.8430** is the 20% darker color. If you saturate the color by 10%, you get **25.7928, 40.1275, 43.9214**, and if you desaturate by 10%, it is **26.2724, 40.3506, 45.0328**.

Distribution



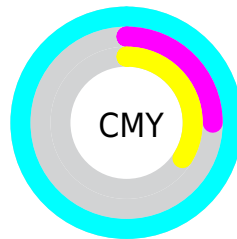
- Red (0%)
- Green (75%)
- Blue (66%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (25%)





- Cyan (100%)
- Magenta (25%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7922, 40.1262, 43.9219 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 25.7922, 40.1262, 43.9219 by changing the saturation by 10% instead.


 25.7922, 40.1262,
43.9219


 25.7922, 40.1262,
43.9219


274.0360,
346.6552, 378.4215


 16.8001, 27.6370,
30.2724


 52.3732, 75.3556,
82.4014


 10.1865, 18.0522,
19.7916


 70.6929, 98.8646,
108.0685


 5.5860, 10.9874,
12.0611


 92.8524, 126.8157,
138.5785

 2.6333, 6.0584,
6.6622

 119.2172,
159.5931, 174.3500

 0.9629, 2.8806,
3.1766

 150.1526,
197.5814, 215.8015

 0.0000, 1.0697,
1.1855

186.0239,

 0.0000, 0.0000,

241.1649, 263.3516

0.0000

227.1966,
290.7281, 317.4187

■ 25.7922, 40.1262,
43.9219

■ 25.7922, 40.1262,
43.9219

■ 25.7928, 40.1275,
43.9214

■ 26.2724, 40.3506,
45.0328

■ 27.0210, 40.7120,
46.1737

■ 28.1347, 41.2613,
47.3499

■ 29.6621, 42.0234,
48.5640

■ 31.6442, 43.0196,
49.8178

■ 34.1173, 44.2684,
51.1131

■ 37.1137, 45.7865,
52.4517

■ 40.6631, 47.5894,
53.8348

■ 44.7930, 49.6911,
55.2640

Harmonies

Analogous

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



27.2308, 40.1262, 26.7106



25.7922, 40.1262, 43.9219



27.2953, 40.1262, 67.2014

Triad

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



25.7922, 40.1262, 43.9219



45.6469, 40.1262, 88.1875



45.4897, 40.1262, 17.3094

Complementary

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



25.7922, 40.1262, 43.9219



21.6320, 11.1353, 1.7696

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.



51.5299, 40.1262, 26.4235



25.7922, 40.1262, 43.9219



51.6285, 40.1262, 66.6699

Square

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



25.7922, 40.1262, 43.9219



38.2194, 40.1262, 97.2361



53.9049, 40.1262, 43.4601



38.0582, 40.1262, 14.6285

Rectangle

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



25.7922, 40.1262, 43.9219



29.8887, 40.1262, 82.3464



53.9049, 40.1262, 43.4601



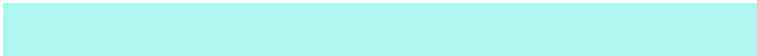
47.7823, 40.1262, 19.5416

Sweetspot

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



25.7934, 40.1277, 43.9229



66.1842, 81.8568, 93.8192



18.9693, 37.4371, 6.2270



14.0089, 17.7091, 20.3754



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.



25.7934, 40.1277, 43.9229



46.1349, 71.8426, 78.3527



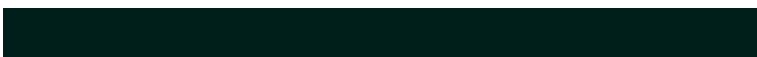
15.8589, 16.6704, 51.6738



9.7600, 10.7901, 11.9854



16.9692, 26.3779, 28.9641



0.6783, 1.0387, 1.2062

Inverse Universe

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



21.6320, 11.1353, 1.7696



38.6969, 19.9241, 2.9361



23.8846, 15.8726, 1.8056



9.5737, 9.5538, 10.1440



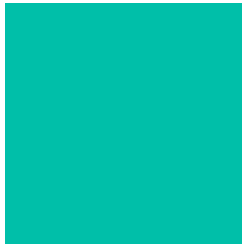
14.2312, 7.3236, 1.2450



0.5724, 0.2929, 0.1276

Previews

White Background



This preview shows how the XYZ color 25.7922, 40.1262, 43.9219 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 25.7922, 40.1262, 43.9219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

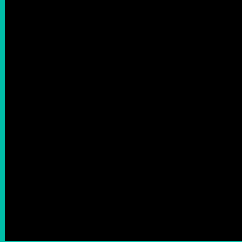
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

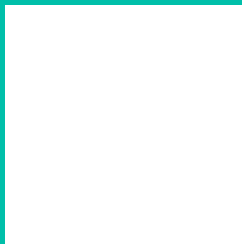
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.7922, 40.1262, 43.9219

Background



This preview shows how black text looks on a background with the XYZ color 25.7922, 40.1262, 43.9219.

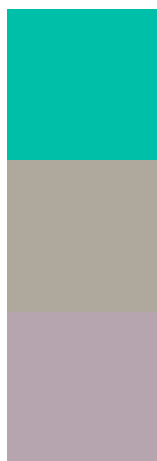


This preview shows how white text looks on a background with the XYZ color 25.7922, 40.1262,

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

25.7922, 40.1262, 43.9219

Protanopia

37.6826, 39.5195, 37.0944

Deuteranopia

40.3047, 39.5911, 46.0750



Tritanopia

29.4169, 40.0130, 61.4312

Trichromacy



Original Color

25.7922, 40.1262, 43.9219



Protanomaly

28.5139, 37.0034, 39.3577



Deuteranomaly

29.8813, 37.0022, 45.1024



Tritanomaly

27.7642, 39.9476, 54.3915

Monochromacy



Original Color

25.7922, 40.1262, 43.9219



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

20.0693, 26.6658, 30.8773

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7922, 40.1262, 43.9219 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 191, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 191, 169) }
```

Border

The CSS property to change the border of an element to XYZ 25.7922, 40.1262, 43.9219 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, 169) }
```


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

```
.border{ border-color:rgb(0, 191, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 191, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 191, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 191,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7922, 40.1262, 43.9219 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, 169) }
```

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

```
.background{ background-color: rgb(0, 191,  
169) }
```

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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