

Converting Colors

XYZ(25.9418, 42.0871, 38.8487)

Have a look what the booklet for
XYZ(25.9418, 42.0871, 38.8487)
contains.

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Color

**XYZ(25.8257, 41.9142,
38.6274)**

Conversions

Conversions Part 1

Format	Color
Hex	00C49D
RGB	0, 196, 157
RGB Percent	0%, 77%, 62%
CMY	0.9999, 0.2314, 0.3843
CMYK	1.00, 0.00, 0.20, 0.23
HSL	168°, 100%, 38%
HSV	168°, 100%, 77%
XYZ	25.8257, 41.9142, 38.6274
YIQ	132.9500, -104.2970, -53.6810

Conversions

Conversions Part 2

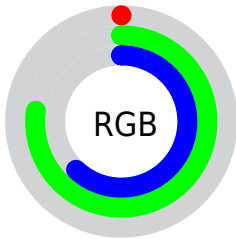
Format	Color
RYB	0, 109, 196
Decimal	50333
CIELab	70.81, -50.34, 8.09
CIELCh	71, 50.987, 170.867
Yxy	41.9142, 0.2428, 0.3941
Android (android.graphics.Color)	4278240413 (0xFF00C49D)
YUV	132.9500, 11.8567, -116.5971
Hunter-Lab	64.7412, -42.0922, 9.9438

Details

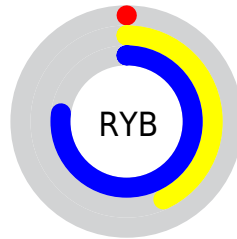
The XYZ color **25.8257, 41.9142, 38.6274** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **23.1326, 11.8833, 2.9959**, and the grayscale version is **22.2643, 23.4238, 25.5085**.

A 20% lighter version of the original color is **52.5810, 78.3464, 74.6384**, and **12.1264, 20.0904, 16.8744** is the 20% darker color. If you saturate the color by 10%, you get **25.8262, 41.9155, 38.6265**, and if you desaturate by 10%, it is **26.4459, 42.1958, 40.4238**.

Distribution



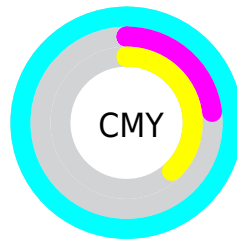
- Red (0%)
- Green (77%)
- Blue (62%)



- Red (0%)
- Yellow (43%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8257, 41.9142, 38.6274 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 25.8257, 41.9142, 38.6274 by changing the saturation by 10% instead.

■ 25.8257, 41.9142,
38.6274

■ 25.8257, 41.9142,
38.6274

274.1978,
354.1271, 355.6823

■ 16.8253, 29.0341,
26.1644

■ 52.4269, 78.0698,
74.2828

■ 10.2045, 19.1066,
16.7198

■ 70.7585, 102.1140,
98.3123

■ 5.5981, 11.7474,
9.8751

■ 92.9311, 130.6484,
127.0344

■ 2.6406, 6.5719,
5.2117

■ 119.3101,
164.0575, 160.8676

■ 0.9667, 3.1958,
2.3111

■ 150.2610,
202.7254, 200.2304

■ 0.0000, 1.2348,
0.7374

186.1490,

■ 0.0000, 0.0899,

247.0368, 245.5415

0.0000

227.3395,
297.3759, 297.2192

■ 0.0000, 0.0000,
0.0000

■ 25.8257, 41.9142,
38.6274

■ 25.8257, 41.9142,
38.6274

■ 25.8262, 41.9155,
38.6265

■ 26.4459, 42.1958,
40.4238

■ 27.3594, 42.6264,
42.2890

■ 28.6674, 43.2591,
44.2292

■ 30.4218, 44.1207,
46.2473

■ 32.6666, 45.2338,
48.3458

■ 35.4403, 46.6183,
50.5270

■ 38.7776, 48.2921,
52.7931

■ 42.7102, 50.2714,
55.1459

■ 47.2674, 52.5714,
57.5873

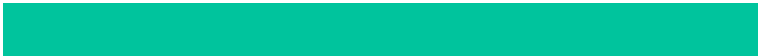
Harmonies

Analogous

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



28.4943, 41.9142, 22.0771



25.8257, 41.9142, 38.6274



26.4765, 41.9142, 64.3473

Triad

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



25.8257, 41.9142, 38.6274



45.9249, 41.9142, 104.5613



51.0253, 41.9142, 18.1777

Complementary

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



25.8257, 41.9142, 38.6274



23.1326, 11.8833, 2.9959

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.



57.0748, 41.9142, 30.9590



25.8257, 41.9142, 38.6274



53.8523, 41.9142, 81.8545

Square

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



25.8257, 41.9142, 38.6274



37.3087, 41.9142, 108.9089



58.1769, 41.9142, 53.4481



42.4795, 41.9142, 13.3406

Rectangle

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



25.8257, 41.9142, 38.6274



28.7483, 41.9142, 83.4605



58.1769, 41.9142, 53.4481



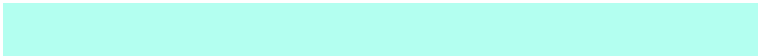
53.4661, 41.9142, 21.4177

Sweetspot

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



25.8269, 41.9158, 38.6284



69.9300, 87.3222, 95.4330



20.5857, 39.9169, 6.6204



14.3909, 18.4009, 20.0469



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



25.8269, 41.9158, 38.6284



46.6895, 75.8918, 69.4742



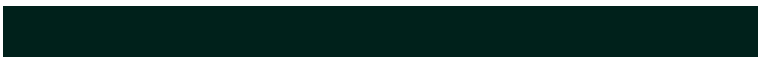
18.9398, 21.9365, 55.4624



10.2798, 11.3930, 12.4770



16.6250, 26.9441, 24.9820



0.7407, 1.1731, 1.1974

Inverse Universe

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



23.1326, 11.8833, 2.9959



41.8320, 21.4968, 5.0472



24.3204, 14.8452, 1.5842



10.1533, 10.1099, 10.8980



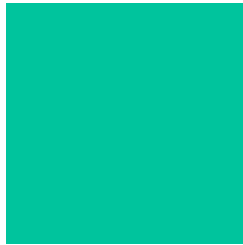
14.8878, 7.6449, 2.0553



0.6682, 0.3403, 0.2199

Previews

White Background



This preview shows how the XYZ color 25.8257, 41.9142, 38.6274 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 25.8257, 41.9142, 38.6274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

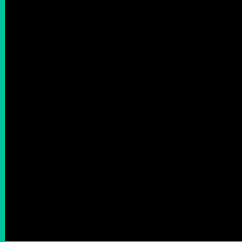
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

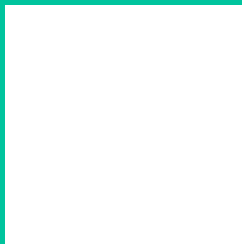
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.8257, 41.9142, 38.6274

Background



This preview shows how black text looks on a background with the XYZ color 25.8257, 41.9142, 38.6274.



This preview shows how white text looks on a background with the XYZ color 25.8257, 41.9142,

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

25.8257, 41.9142, 38.6274

Protanopia

38.9194, 41.3731, 32.7226

Deuteranopia

42.0753, 41.1592, 40.8489



Tritanopia

31.0207, 41.7328, 64.1779

Trichromacy



Original Color

25.8257, 41.9142, 38.6274



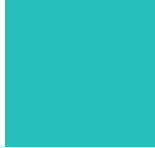
Protanomaly

29.0189, 38.8625, 34.4055



Deuteranomaly

30.1812, 38.1551, 39.4922



Tritanomaly

28.7261, 41.7422, 54.1200

Monochromacy



Original Color

25.8257, 41.9142, 38.6274



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.5173, 27.6612, 29.8490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8257, 41.9142, 38.6274 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, 196, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 157)  
}
```

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, 196, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 157) }
```

Border

The CSS property to change the border of an element to XYZ 25.8257, 41.9142, 38.6274 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, 196, 157) }
```


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

```
.border{ border-color:rgb(0, 196, 157) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(0, 196, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8257, 41.9142, 38.6274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 157) }
```

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

```
.background{ background-color: rgb(0, 196,  
157) }
```

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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