

Converting Colors

XYZ(18.8424, 37.5262, 36.1988)

Have a look what the booklet for
XYZ(18.8424, 37.5262, 36.1988)
contains.

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Color

**XYZ(25.0416, 40.8835,
36.7085)**

Conversions

Conversions Part 1

Format	Color
Hex	00C299
RGB	0, 194, 153
RGB Percent	0%, 76%, 60%
CMY	0.9999, 0.2392, 0.4000
CMYK	1.00, 0.00, 0.21, 0.24
HSL	167°, 100%, 38%
HSV	167°, 100%, 76%
XYZ	25.0416, 40.8835, 36.7085
YIQ	131.3200, -102.4630, -53.8790

Conversions

Conversions Part 2

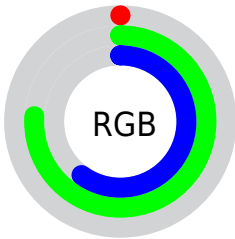
Format	Color
RYB	0, 108, 194
Decimal	49817
CIELab	70.09, -50.56, 9.24
CIELCh	70, 51.396, 169.642
Yxy	40.8835, 0.2440, 0.3983
Android (android.graphics.Color)	4278239897 (0xFF00C299)
YUV	131.3200, 10.6882, -115.1676
Hunter-Lab	63.9402, -41.9875, 10.7194

Details

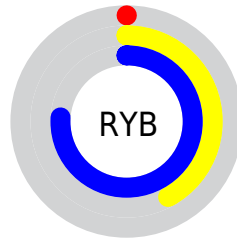
The XYZ color **25.0416, 40.8835, 36.7085** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark washed spring green. A complement of this color would be **22.6500, 11.6306, 3.1516**, and the grayscale version is **21.6805, 22.8095, 24.8396**.

A 20% lighter version of the original color is **51.0152, 76.2087, 71.0525**, and **11.6309, 19.4245, 15.7067** is the 20% darker color. If you saturate the color by 10%, you get **25.0419, 40.8847, 36.7069**, and if you desaturate by 10%, it is **25.6640, 41.1656, 38.5373**.

Distribution



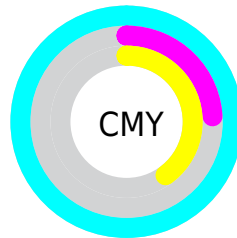
- Red (0%)
- Green (76%)
- Blue (60%)



- Red (0%)
- Yellow (42%)
- Blue (76%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (24%)





- Cyan (100%)
- Magenta (24%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0416, 40.8835, 36.7085 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 25.0416, 40.8835, 36.7085 by changing the saturation by 10% instead.


 25.0416, 40.8835,
36.7085


 25.0416, 40.8835,
36.7085


270.3889,
349.8335, 347.1774


 16.2369, 28.2281,
24.6879


 51.1671, 76.5070,
71.3055


 9.7839, 18.4976,
15.6278


 69.2187, 100.2439,
94.7190


 5.3171, 11.3079,
9.1096


 91.0833, 128.4433,
122.7672

 2.4711, 6.2743,
4.7150

 117.1262,
161.4898, 155.8686

 0.8807, 3.0126,
2.0252

 147.7129,
199.7677, 194.4418

 0.0000, 1.1383,
0.5707

183.2087,

 0.0000, 0.0104,

243.6613, 238.9053

0.0000

223.9789,
293.5551, 289.6776

■ 0.0000, 0.0000,
0.0000

■ 25.0416, 40.8835,
36.7085

■ 25.0416, 40.8835,
36.7085

■ 25.0419, 40.8847,
36.7069

■ 25.6640, 41.1656,
38.5373

■ 26.5736, 41.5933,
40.4400

■ 27.8699, 42.2190,
42.4227

■ 29.6035, 43.0688,
44.4884

■ 31.8172, 44.1647,
46.6397

■ 34.5485, 45.5260,
48.8789

■ 37.8314, 47.1702,
51.2081

■ 41.6967, 49.1133,
53.6293

■ 46.1730, 51.3699,
56.1444

Harmonies

Analogous

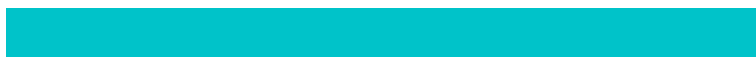
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



27.8081, 40.8835, 20.7842



25.0416, 40.8835, 36.7085



25.5497, 40.8835, 61.9380

Triad

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



25.0416, 40.8835, 36.7085



44.5425, 40.8835, 103.8094



50.2794, 40.8835, 17.7587

Complementary

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



25.0416, 40.8835, 36.7085



22.6500, 11.6306, 3.1516

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.



56.1344, 40.8835, 30.7106



25.0416, 40.8835, 36.7085



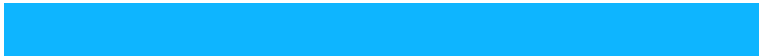
52.5060, 40.8835, 81.6735

Square

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



25.0416, 40.8835, 36.7085



36.0274, 40.8835, 107.2536



57.0032, 40.8835, 53.3569



41.8342, 40.8835, 12.7627

Rectangle

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



25.0416, 40.8835, 36.7085



27.7046, 40.8835, 81.0127



57.0032, 40.8835, 53.3569



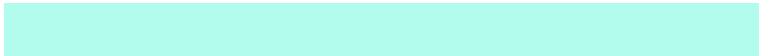
52.6644, 40.8835, 21.0514

Sweetspot

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



25.0427, 40.8851, 36.7095



68.2231, 85.2993, 92.5624



20.2497, 39.0784, 6.4764



14.3571, 18.3874, 19.8691



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.



25.0427, 40.8851, 36.7095



45.2710, 74.0314, 65.9903



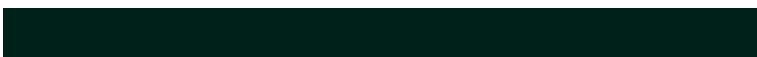
18.9772, 22.3731, 54.3590



10.2744, 11.3908, 12.4483



16.4946, 26.8919, 24.2952



0.7361, 1.1713, 1.1730

Inverse Universe

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



22.6500, 11.6306, 3.1516



40.9590, 21.0399, 5.3142



23.6147, 14.2010, 1.4972



10.1584, 10.1120, 10.9245



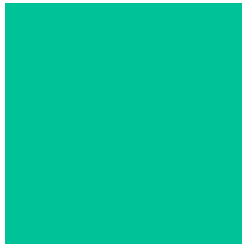
14.9156, 7.6560, 2.2018



0.6704, 0.3412, 0.2317

Previews

White Background



This preview shows how the XYZ color 25.0416, 40.8835, 36.7085 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 25.0416, 40.8835, 36.7085 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

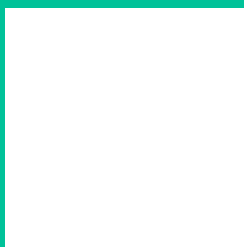
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0416, 40.8835, 36.7085

Background



This preview shows how black text looks on a background with the XYZ color 25.0416, 40.8835, 36.7085.



This preview shows how white text looks on a background with the XYZ color 25.0416, 40.8835,

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

25.0416, 40.8835, 36.7085

Protanopia

38.0048, 40.3758, 30.9895

Deuteranopia

40.8558, 40.0361, 38.8321



Tritanopia

30.3534, 40.7823, 62.7719

Trichromacy



Original Color

25.0416, 40.8835, 36.7085



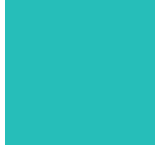
Protanomaly

28.3012, 37.9294, 32.6175



Deuteranomaly

29.3009, 37.1592, 37.5264



Tritanomaly

27.9697, 40.7418, 52.2887

Monochromacy



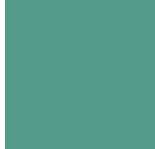
Original Color

25.0416, 40.8835, 36.7085



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.7831, 26.8143, 28.5591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0416, 40.8835, 36.7085 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, 194, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 153)  
}
```

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, 194, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 153) }
```

Border

The CSS property to change the border of an element to XYZ 25.0416, 40.8835, 36.7085 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, 194, 153) }
```


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

```
.border{ border-color:rgb(0, 194, 153) }
```

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

Here you see how a box with a 4 pixel rgb(0, 194, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0416, 40.8835, 36.7085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 153) }
```

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

```
.background{ background-color: rgb(0, 194,  
153) }
```

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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