

Converting Colors

XYZ(15.0105, 32.7310, 45.8902)

Have a look what the booklet for
XYZ(15.0105, 32.7310, 45.8902)
contains.

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Color

**XYZ(25.0868, 37.7931,
46.5300)**

Conversions

Conversions Part 1

Format	Color
Hex	00B9AF
RGB	0, 185, 175
RGB Percent	0%, 73%, 69%
CMY	0.9999, 0.2745, 0.3137
CMYK	1.00, 0.00, 0.05, 0.27
HSL	177°, 100%, 36%
HSV	177°, 100%, 73%
XYZ	25.0868, 37.7931, 46.5300
YIQ	128.5450, -107.0500, -42.3300

Conversions

Conversions Part 2

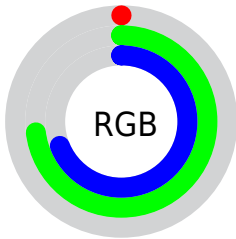
Format	Color
RYB	0, 95, 185
Decimal	47535
CIELab	67.87, -40.77, -6.05
CIELCh	68, 41.216, 188.434
Yxy	37.7931, 0.2293, 0.3454
Android (android.graphics.Color)	4278237615 (0xFF00B9AF)
YUV	128.5450, 22.9023, -112.7340
Hunter-Lab	61.4761, -34.7419, -1.8421

Details

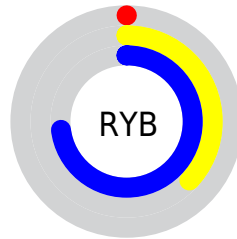
The XYZ color **25.0868, 37.7931, 46.5300** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **20.0635, 10.3373, 1.2259**, and the grayscale version is **20.6601, 21.7361, 23.6706**.

A 20% lighter version of the original color is **51.2906, 71.9268, 86.0429**, and **11.6915, 17.6627, 21.5319** is the 20% darker color. If you saturate the color by 10%, you get **25.0874, 37.7943, 46.5301**, and if you desaturate by 10%, it is **25.4457, 37.9675, 47.0625**.

Distribution



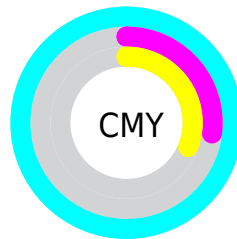
- Red (0%)
- Green (73%)
- Blue (69%)



- Red (0%)
- Yellow (37%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.0868, 37.7931, 46.5300 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 25.0868, 37.7931, 46.5300 by changing the saturation by 10% instead.

■ 25.0868, 37.7931,
46.5300

■ 25.0868, 37.7931,
46.5300

270.6096,
336.7316, 389.2747

■ 16.2708, 25.8221,
32.3126

■ 51.2399, 71.7909,
86.3543

■ 9.8081, 16.6906,
21.3336

■ 69.3077, 94.5865,
112.7982

■ 5.3332, 10.0142,
13.1744

■ 91.1901, 121.7592,
144.1547

■ 2.4808, 5.4084,
7.4166

■ 117.2526,
153.6933, 180.8423

■ 0.8856, 2.4888,
3.6416

■ 147.8604,
190.7732, 223.2795

■ 0.0000, 0.8710,
1.4309

183.3790,

■ 0.0000, 0.0000,

233.3832, 271.8850

0.1656

224.1736,
281.9079, 327.0772

■ 0.0000, 0.0000,
0.0000

■ 25.0868, 37.7931,
46.5300

■ 25.0868, 37.7931,
46.5300

■ 25.0874, 37.7943,
46.5301

■ 25.4457, 37.9675,
47.0625

■ 26.0496, 38.2674,
47.6094

■ 26.9904, 38.7408,
48.1758

■ 28.3129, 39.4109,
48.7640

■ 30.0549, 40.2973,
49.3756

■ 32.2498, 41.4170,
50.0123

■ 34.9275, 42.7855,
50.6754

■ 38.1156, 44.4170,
51.3663

■ 41.8392, 46.3245,
52.0860

Harmonies

Analogous

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



25.6636, 37.7931, 29.5241



25.0868, 37.7931, 46.5300



27.1309, 37.7931, 67.1276

Triad

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



25.0868, 37.7931, 46.5300



44.1127, 37.7931, 75.3255



40.6293, 37.7931, 16.3341

Complementary

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



25.0868, 37.7931, 46.5300



20.0635, 10.3373, 1.2259

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.



46.4306, 37.7931, 22.9239



25.0868, 37.7931, 46.5300



48.6019, 37.7931, 55.4866

Square

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



25.0868, 37.7931, 46.5300



37.7536, 37.7931, 86.6932



49.4970, 37.7931, 36.2020



34.1491, 37.7931, 15.2348

Rectangle

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



25.0868, 37.7931, 46.5300



29.8657, 37.7931, 79.0018



49.4970, 37.7931, 36.2020



42.7444, 37.7931, 17.8609

Sweetspot

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



25.0879, 37.7945, 46.5309



62.2886, 76.4907, 90.6948



17.5064, 34.7800, 5.7914



12.9766, 16.2589, 19.4438



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



25.0879, 37.7945, 46.5309



44.9010, 67.6754, 83.1807



13.7937, 13.5752, 47.7938



9.2451, 10.2020, 11.4483



17.0905, 25.7371, 31.7281



0.6089, 0.9099, 1.1524

Inverse Universe

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



20.0635, 10.3373, 1.2259



35.9058, 18.5018, 2.0582



22.8906, 16.0790, 1.8979



9.0238, 9.0199, 9.4726



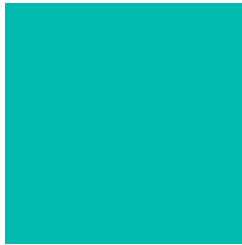
13.6695, 7.0415, 0.8802



0.4886, 0.2509, 0.0662

Previews

White Background



This preview shows how the XYZ color 25.0868, 37.7931, 46.5300 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 25.0868, 37.7931, 46.5300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

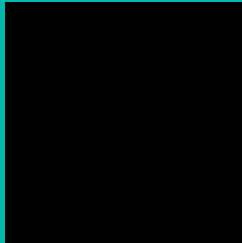
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

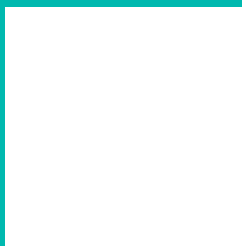
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.0868, 37.7931, 46.5300

Background



This preview shows how black text looks on a background with the XYZ color 25.0868, 37.7931, 46.5300.

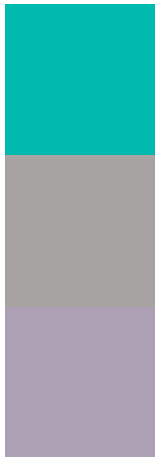


This preview shows how white text looks on a background with the XYZ color 25.0868, 37.7931,

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

25.0868, 37.7931, 46.5300

Protanopia

35.5551, 37.0185, 39.4537

Deuteranopia

38.1449, 37.3620, 48.9172



Tritanopia

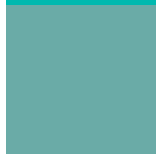
27.7608, 37.9794, 58.6909

Trichromacy



Original Color

25.0868, 37.7931, 46.5300



Protanomaly

27.4818, 34.9800, 41.8626



Deuteranomaly

28.7551, 34.9456, 47.8774



Tritanomaly

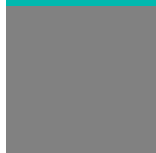
26.5708, 37.7741, 54.0348

Monochromacy



Original Color

25.0868, 37.7931, 46.5300



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

19.4154, 25.3641, 31.0666

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0868, 37.7931, 46.5300 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, 185, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 175)  
}
```

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, 185, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 175) }
```

Border

The CSS property to change the border of an element to XYZ 25.0868, 37.7931, 46.5300 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, 185, 175) }
```


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

```
.border{ border-color:rgb(0, 185, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 185, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0868, 37.7931, 46.5300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 175) }
```

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

```
.background{ background-color: rgb(0, 185,  
175) }
```

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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