

Converting Colors

XYZ(20.8411, 34.6628, 51.9203)

Have a look what the booklet for
XYZ(20.8411, 34.6628, 51.9203)
contains.

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Color

**XYZ(25.5909, 37.0011,
52.2475)**

Conversions

Conversions Part 1

Format	Color
Hex	00B6BA
RGB	0, 182, 186
RGB Percent	0%, 71%, 73%
CMY	0.9998, 0.2863, 0.2706
CMYK	1.00, 0.02, 0.00, 0.27
HSL	181°, 100%, 36%
HSV	181°, 100%, 73%
XYZ	25.5909, 37.0011, 52.2475
YIQ	128.0380, -109.7560, -37.3400

Conversions

Conversions Part 2

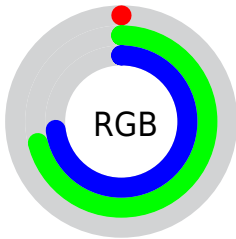
Format	Color
RYB	0, 92, 186
Decimal	46778
CIELab	67.28, -36.09, -13.00
CIELCh	67, 38.361, 199.802
Yxy	37.0011, 0.2228, 0.3222
Android (android.graphics.Color)	4278236858 (0xFF00B6BA)
YUV	128.0380, 28.5753, -112.2893
Hunter-Lab	60.8285, -31.3540, -8.3460

Details

The XYZ color **25.5909, 37.0011, 52.2475** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **20.2940, 10.5270, 0.9634**, and the grayscale version is **20.4667, 21.5326, 23.4490**.

A 20% lighter version of the original color is **51.8571, 70.2692, 94.8346**, and **11.9528, 17.1318, 24.8671** is the 20% darker color. If you saturate the color by 10%, you get **25.5914, 37.0019, 52.2483**, and if you desaturate by 10%, it is **25.9351, 37.3011, 52.2880**.

Distribution



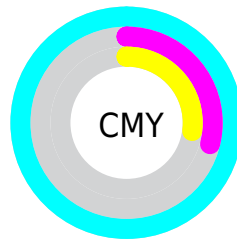
- Red (0%)
- Green (71%)
- Blue (73%)



- Red (0%)
- Yellow (36%)
- Blue (73%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (27%)





- Cyan (100%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.5909, 37.0011, 52.2475 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 25.5909, 37.0011, 52.2475 by changing the saturation by 10% instead.


 25.5909, 37.0011,
52.2475


 25.5909, 37.0011,
52.2475


273.0617,
333.3153, 412.3755


 16.6489, 25.2083,
36.8188


 52.0502, 70.5745,
94.9264


 10.0782, 16.2323,
24.7725


 70.2983, 93.1239,
123.0138

 5.5135, 9.6887,
15.6902


 92.3791, 120.0276,
156.1577

 2.5894, 5.1931,
9.1532

 118.6580,
151.6701, 194.7768

 0.9406, 2.3610,
4.7431

 149.5004,
188.4357, 239.2895

 0.0000, 0.8057,
2.0412

185.2715,

 0.0000, 0.0000,

230.7089, 290.1146

0.5805

226.3369,
278.8739, 347.6704

■ 0.0000, 0.0000,
0.0000

■ 25.5909, 37.0011,
52.2475

■ 25.5909, 37.0011,
52.2475

■ 25.5914, 37.0019,
52.2483

■ 25.9351, 37.3011,
52.2880

■ 26.5274, 37.7285,
52.3392

■ 27.4602, 38.3319,
52.4065

■ 28.7790, 39.1346,
52.4920

■ 30.5222, 40.1564,
52.5973

■ 32.7235, 41.4147,
52.7242

■ 35.4134, 42.9252,
52.8740

■ 38.6195, 44.7023,
53.0480

■ 42.3677, 46.7591,
53.2474

Harmonies

Analogous

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



25.1976, 37.0011, 34.8371



25.5909, 37.0011, 52.2475



28.3816, 37.0011, 70.3285

Triad

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



25.5909, 37.0011, 52.2475



44.5028, 37.0011, 64.9300



37.2026, 37.0011, 16.1311

Complementary

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



25.5909, 37.0011, 52.2475



20.2940, 10.5270, 0.9634

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.



42.9592, 37.0011, 20.3141



25.5909, 37.0011, 52.2475



47.4736, 37.0011, 46.2796

Square

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



25.5909, 37.0011, 52.2475



39.1282, 37.0011, 78.9468



46.8793, 37.0011, 30.3086



31.4853, 37.0011, 16.9033

Rectangle

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



25.5909, 37.0011, 52.2475



31.4174, 37.0011, 78.8276



46.8793, 37.0011, 30.3086



39.2067, 37.0011, 16.9461

Sweetspot

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



25.5920, 37.0025, 52.2484



63.9133, 77.6502, 95.8208



17.5768, 35.1254, 5.9436



13.5997, 16.8340, 21.0751



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.



25.5920, 37.0025, 52.2484



46.3607, 67.0181, 94.6937



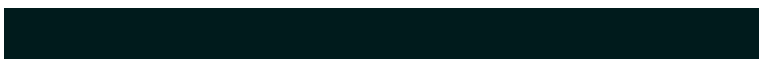
12.5130, 10.8444, 47.8887



9.2497, 10.1766, 11.5562



17.2243, 24.9083, 35.1530



0.6125, 0.8886, 1.2410

Inverse Universe

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



28.6942, 13.8176, 45.4121



51.9959, 25.0383, 82.2447



24.4440, 18.8269, 2.3467



9.3724, 9.1593, 11.3083



19.3077, 9.2968, 30.5709



0.6833, 0.3288, 1.0917

Previews

White Background



This preview shows how the XYZ color 25.5909, 37.0011, 52.2475 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 25.5909, 37.0011, 52.2475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

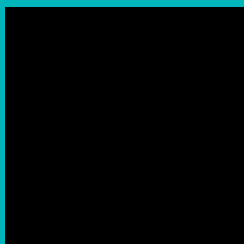
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

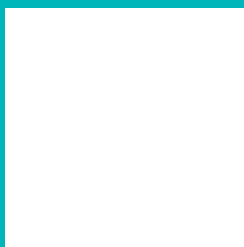
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.5909, 37.0011, 52.2475

Background



This preview shows how black text looks on a background with the XYZ color 25.5909, 37.0011, 52.2475.

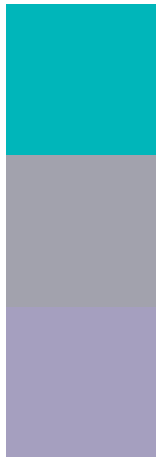


This preview shows how white text looks on a background with the XYZ color 25.5909, 37.0011,

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

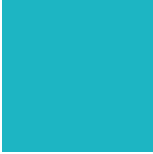
25.5909, 37.0011, 52.2475

Protanopia

35.3634, 36.5392, 44.7241

Deuteranopia

37.3192, 36.5572, 54.3795



Tritanopia

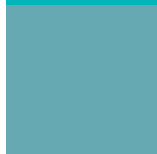
26.8809, 37.2491, 57.4028

Trichromacy



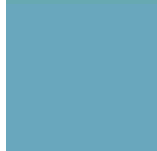
Original Color

25.5909, 37.0011, 52.2475



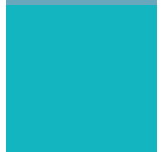
Protanomaly

27.8174, 34.4739, 47.3075



Deuteranomaly

28.8297, 34.3148, 53.2480



Tritanomaly

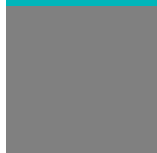
26.2878, 36.9821, 55.6219

Monochromacy



Original Color

25.5909, 37.0011, 52.2475



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

19.4081, 25.0991, 32.2555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.5909, 37.0011, 52.2475 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, 182, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 186)  
}
```

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, 182, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 186) }
```

Border

The CSS property to change the border of an element to XYZ 25.5909, 37.0011, 52.2475 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, 182, 186) }
```


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

```
.border{ border-color:rgb(0, 182, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 25.5909, 37.0011, 52.2475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 186) }
```

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

```
.background{ background-color: rgb(0, 182,  
186) }
```

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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