

Converting Colors

XYZ(18.3210, 33.4532, 50.1222)

Have a look what the booklet for
XYZ(18.3210, 33.4532, 50.1222)
contains.

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Color

**XYZ(25.4807, 37.2859,
50.6537)**

Conversions

Conversions Part 1

Format	Color
Hex	00B7B7
RGB	0, 183, 183
RGB Percent	0%, 72%, 72%
CMY	0.9999, 0.2823, 0.2823
CMYK	1.00, 0.00, 0.00, 0.28
HSL	180°, 100%, 36%
HSV	180°, 100%, 72%
XYZ	25.4807, 37.2859, 50.6537
YIQ	128.2830, -109.0680, -38.7960

Conversions

Conversions Part 2

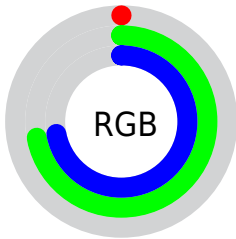
Format	Color
RYB	0, 92, 183
Decimal	47031
CIELab	67.49, -37.48, -11.02
CIELCh	67, 39.062, 196.386
Yxy	37.2859, 0.2247, 0.3287
Android (android.graphics.Color)	4278237111 (0xFF00B7B7)
YUV	128.2830, 26.9755, -112.5042
Hunter-Lab	61.0622, -32.3724, -6.4401

Details

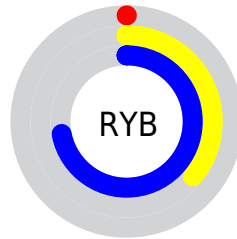
The XYZ color **25.4807, 37.2859, 50.6537** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **19.5296, 10.0684, 0.9150**, and the grayscale version is **20.5561, 21.6266, 23.5513**.

A 20% lighter version of the original color is **51.9956, 71.2615, 92.6757**, and **11.8795, 17.3122, 23.8346** is the 20% darker color. If you saturate the color by 10%, you get **25.4814, 37.2871, 50.6546**, and if you desaturate by 10%, it is **25.7372, 37.4189, 50.6666**.

Distribution



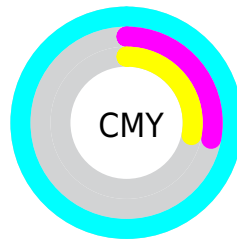
- Red (0%)
- Green (72%)
- Blue (72%)



- Red (0%)
- Yellow (36%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.4807, 37.2859, 50.6537 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 25.4807, 37.2859, 50.6537 by changing the saturation by 10% instead.

■ 25.4807, 37.2859,
50.6537

■ 25.4807, 37.2859,
50.6537

272.5272,
334.5467, 406.0249

■ 16.5662, 25.4289,
35.5583

■ 51.8733, 71.0123,
92.5489

■ 10.0191, 16.3969,
23.8062

■ 70.0821, 93.6505,
120.1858

■ 5.4740, 9.8055,
14.9791

■ 92.1197, 120.6512,
152.8403

■ 2.5655, 5.2702,
8.6582

■ 118.3514,
152.3989, 190.9308

■ 0.9284, 2.4066,
4.4252

■ 149.1427,
189.2778, 234.8760

■ 0.0000, 0.8293,
1.8614

184.8588,

■ 0.0000, 0.0000,

231.6725, 285.0944

0.4680

225.8652,
279.9673, 342.0045

■ 0.0000, 0.0000,
0.0000

■ 25.4807, 37.2859,
50.6537

■ 25.4807, 37.2859,
50.6537

■ 25.4814, 37.2871,
50.6546

■ 25.7372, 37.4189,
50.6666

■ 26.2313, 37.6736,
50.6898

■ 27.0533, 38.0974,
50.7284

■ 28.2468, 38.7127,
50.7843

■ 29.8486, 39.5384,
50.8594

■ 31.8911, 40.5914,
50.9550

■ 34.4036, 41.8866,
51.0727

■ 37.4128, 43.4379,
51.2136

■ 40.9432, 45.2579,
51.3789

Harmonies

Analogous

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



25.3649, 37.2859, 33.3052



25.4807, 37.2859, 50.6537



28.0600, 37.2859, 69.5352

Triad

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



25.4807, 37.2859, 50.6537



44.4680, 37.2859, 67.9291



38.2254, 37.2859, 16.2035

Complementary

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



25.4807, 37.2859, 50.6537



19.5296, 10.0684, 0.9150

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.



44.0103, 37.2859, 21.0629



25.4807, 37.2859, 50.6537



47.8798, 37.2859, 48.8846

Square

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



25.4807, 37.2859, 50.6537



38.7954, 37.2859, 81.2764



47.7034, 37.2859, 31.9698



32.2822, 37.2859, 16.4289

Rectangle

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



25.4807, 37.2859, 50.6537



31.0146, 37.2859, 79.0338



47.7034, 37.2859, 31.9698



40.2656, 37.2859, 17.2208

Sweetspot

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



25.4818, 37.2873, 50.6546



61.3625, 74.8860, 91.4556



16.9728, 33.8881, 5.6474



13.1162, 16.3148, 20.1793



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.



25.4818, 37.2873, 50.6546



45.6353, 66.7784, 90.7185



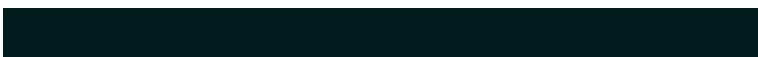
12.6012, 11.5257, 46.3618



9.2667, 10.2107, 11.5619



17.7757, 26.0112, 35.3363



0.6266, 0.9170, 1.2457

Inverse Universe

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



19.5296, 10.0684, 0.9150



34.9752, 18.0304, 1.6369



23.0575, 17.1241, 2.0909



9.0046, 9.0122, 9.3719



13.6234, 7.0231, 0.6376



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 25.4807, 37.2859, 50.6537 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 25.4807, 37.2859, 50.6537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

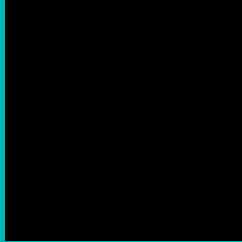
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

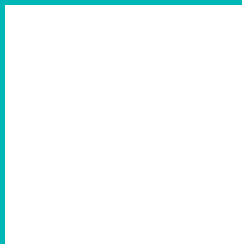
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.4807, 37.2859, 50.6537

Background



This preview shows how black text looks on a background with the XYZ color 25.4807, 37.2859, 50.6537.

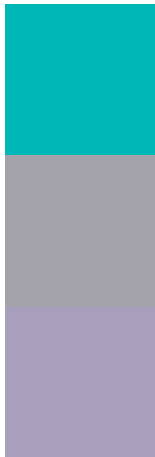


This preview shows how white text looks on a background with the XYZ color 25.4807, 37.2859,

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

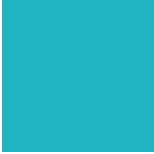
25.4807, 37.2859, 50.6537

Protanopia

35.4859, 36.6355, 43.2313

Deuteranopia

37.4116, 36.6426, 52.6779



Tritanopia

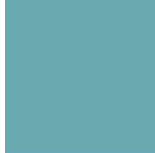
27.1149, 37.3566, 58.0060

Trichromacy



Original Color

25.4807, 37.2859, 50.6537



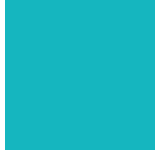
Protanomaly

27.8215, 34.7877, 45.8058



Deuteranomaly

28.8094, 34.6146, 51.6172



Tritanomaly

26.4412, 37.3769, 55.1111

Monochromacy



Original Color

25.4807, 37.2859, 50.6537



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

19.3285, 25.0673, 31.8367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.4807, 37.2859, 50.6537 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, 183, 183)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 183)  
}
```

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, 183, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 183) }
```

Border

The CSS property to change the border of an element to XYZ 25.4807, 37.2859, 50.6537 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, 183, 183) }
```


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

```
.border{ border-color:rgb(0, 183, 183) }
```

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

Here you see how a box with a 4 pixel rgb(0, 183, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 183);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 25.4807, 37.2859, 50.6537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 183) }
```

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

```
.background{ background-color: rgb(0, 183,  
183) }
```

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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