

Converting Colors

XYZ(22.5364, 36.9946, 48.0757)

Have a look what the booklet for
XYZ(22.5364, 36.9946, 48.0757)
contains.

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Color

**XYZ(25.8062, 38.7550,
48.2398)**

Conversions

Conversions Part 1

Format	Color
Hex	00BBB2
RGB	0, 187, 178
RGB Percent	0%, 73%, 70%
CMY	0.9999, 0.2667, 0.3020
CMYK	1.00, 0.00, 0.05, 0.27
HSL	177°, 100%, 37%
HSV	177°, 100%, 73%
XYZ	25.8062, 38.7550, 48.2398
YIQ	130.0610, -108.5630, -42.4430

Conversions

Conversions Part 2

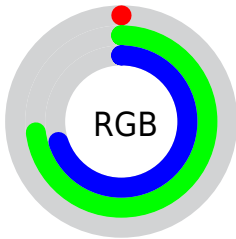
Format	Color
RYB	0, 96, 187
Decimal	48050
CIELab	68.57, -40.77, -6.65
CIELCh	69, 41.313, 189.265
Yxy	38.7550, 0.2288, 0.3436
Android (android.graphics.Color)	4278238130 (0xFF00BBB2)
YUV	130.0610, 23.6339, -114.0635
Hunter-Lab	62.2535, -34.9493, -2.3659

Details

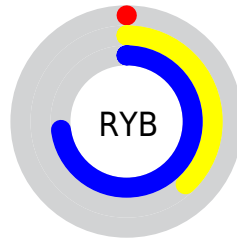
The XYZ color **25.8062, 38.7550, 48.2398** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **20.5441, 10.5857, 1.2199**, and the grayscale version is **21.1902, 22.2937, 24.2779**.

A 20% lighter version of the original color is **52.4575, 73.3512, 89.2353**, and **12.0892, 18.2557, 22.2886** is the 20% darker color. If you saturate the color by 10%, you get **25.8068, 38.7562, 48.2399**, and if you desaturate by 10%, it is **26.1610, 38.9283, 48.7308**.

Distribution



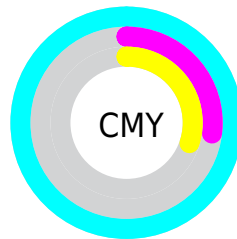
- Red (0%)
- Green (73%)
- Blue (70%)



- Red (0%)
- Yellow (38%)
- Blue (73%)



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





- Cyan (100%)
- Magenta (27%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.8062, 38.7550, 48.2398 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 25.8062, 38.7550, 48.2398 by changing the saturation by 10% instead.


 25.8062, 38.7550,
48.2398


 25.8062, 38.7550,
48.2398


274.1036,
340.8477, 396.2779


 16.8106, 26.5692,
33.6555


 52.3957, 73.2639,
88.9306


 10.1940, 17.2499,
22.3538


 70.7203, 96.3558,
115.8742


 5.5910, 10.4128,
13.9163


 92.8853, 123.8518,
147.7746

 2.6363, 5.6735,
7.9244

 119.2560,
156.1363, 185.0503

 0.9645, 2.6476,
3.9595

 150.1979,
193.5938, 228.1200

 0.0000, 0.9507,
1.6032

186.0762,

 0.0000, 0.0000,

236.6086, 277.4022

0.2931

227.2563,
285.5651, 333.3153

■ 0.0000, 0.0000,
0.0000

■ 25.8062, 38.7550,
48.2398

■ 25.8062, 38.7550,
48.2398

■ 25.8068, 38.7562,
48.2399

■ 26.1610, 38.9283,
48.7308

■ 26.7676, 39.2304,
49.2357

■ 27.7193, 39.7104,
49.7600

■ 29.0621, 40.3920,
50.3056

■ 30.8350, 41.2952,
50.8745

■ 33.0723, 42.4377,
51.4683

■ 35.8046, 43.8354,
52.0884

■ 39.0602, 45.5028,
52.7360

■ 42.8650, 47.4532,
53.4126

Harmonies

Analogous

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



26.3205, 38.7550, 30.7305



25.8062, 38.7550, 48.2398



27.9653, 38.7550, 69.2120

Triad

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



25.8062, 38.7550, 48.2398



45.3439, 38.7550, 76.5031



41.4496, 38.7550, 16.7571

Complementary

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



25.8062, 38.7550, 48.2398



20.5441, 10.5857, 1.2199

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.



47.4072, 38.7550, 23.3244



25.8062, 38.7550, 48.2398



49.8332, 38.7550, 56.2122

Square

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



25.8062, 38.7550, 48.2398



38.8889, 38.7550, 88.4174



50.6297, 38.7550, 36.6823



34.8557, 38.7550, 15.7747

Rectangle

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



25.8062, 38.7550, 48.2398



30.7986, 38.7550, 81.1437



50.6297, 38.7550, 36.6823



43.6137, 38.7550, 18.2669

Sweetspot

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



25.8074, 38.7565, 48.2407



63.8557, 78.3692, 93.2299



17.8885, 35.6024, 5.9301



13.5853, 17.0143, 20.4261



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.



25.8074, 38.7565, 48.2407



46.1921, 69.3994, 86.2567



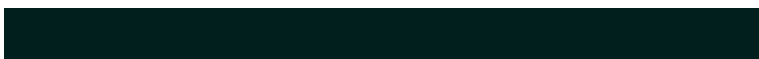
13.8074, 13.2622, 48.8474



9.7882, 10.8014, 12.1342



17.7884, 26.7056, 33.2780



0.7029, 1.0485, 1.3360

Inverse Universe

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



20.5441, 10.5857, 1.2199



36.7681, 18.9472, 2.0564



23.6779, 16.9323, 2.0213



9.5483, 9.5436, 10.0103



14.1619, 7.2959, 0.8804



0.5612, 0.2884, 0.0684

Previews

White Background



This preview shows how the XYZ color 25.8062, 38.7550, 48.2398 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 25.8062, 38.7550, 48.2398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

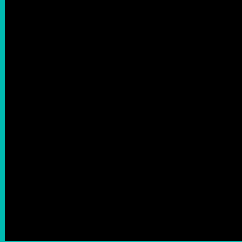
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

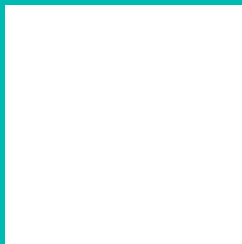
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.8062, 38.7550, 48.2398

Background



This preview shows how black text looks on a background with the XYZ color 25.8062, 38.7550, 48.2398.

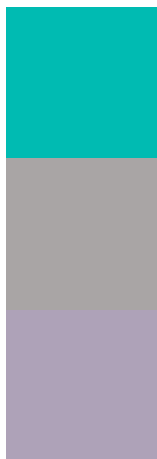


This preview shows how white text looks on a background with the XYZ color 25.8062, 38.7550,

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

25.8062, 38.7550, 48.2398

Protanopia

36.6089, 38.0619, 41.0145

Deuteranopia

39.0276, 38.3000, 50.6831



Tritanopia

28.3637, 38.8759, 60.0417

Trichromacy



Original Color

25.8062, 38.7550, 48.2398



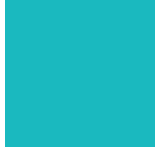
Protanomaly

28.3836, 35.9776, 43.4786



Deuteranomaly

29.5620, 35.8827, 49.6239



Tritanomaly

27.1789, 38.6791, 55.3236

Monochromacy



Original Color

25.8062, 38.7550, 48.2398



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.9003, 26.0788, 31.5886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8062, 38.7550, 48.2398 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, 187, 178)` looks like.

```
.text, #text, p{  
    color:rgb(0, 187, 178)  
}
```

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, 187, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 187, 178) }
```

Border

The CSS property to change the border of an element to XYZ 25.8062, 38.7550, 48.2398 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, 187, 178) }
```


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

```
.border{ border-color:rgb(0, 187, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 187, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 187, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 187, 178);  
box-shadow:4px 4px 4px 4px rgb(0, 187,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8062, 38.7550, 48.2398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 187, 178) }
```

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

```
.background{ background-color: rgb(0, 187,  
178) }
```

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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