

Converting Colors

XYZ(18.4883, 32.2799, 51.5334)

Have a look what the booklet for
XYZ(18.4883, 32.2799, 51.5334)
contains.

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Color

**XYZ(24.7833, 35.3860,
51.9783)**

Conversions

Conversions Part 1

Format	Color
Hex	00B2BA
RGB	0, 178, 186
RGB Percent	0%, 70%, 73%
CMY	0.9999, 0.3020, 0.2706
CMYK	1.00, 0.04, 0.00, 0.27
HSL	183°, 100%, 36%
HSV	183°, 100%, 73%
XYZ	24.7833, 35.3860, 51.9783
YIQ	125.6900, -108.6560, -35.2480

Conversions

Conversions Part 2

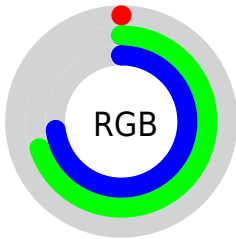
Format	Color
RYB	0, 91, 186
Decimal	45754
CIELab	66.05, -34.22, -14.85
CIELCh	66, 37.306, 203.451
Yxy	35.3860, 0.2210, 0.3155
Android (android.graphics.Color)	4278235834 (0xFF00B2BA)
YUV	125.6900, 29.7328, -110.2301
Hunter-Lab	59.4861, -29.7335, -10.1666

Details

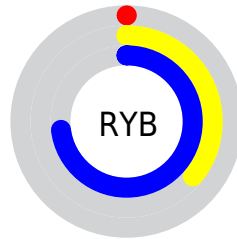
The XYZ color **24.7833, 35.3860, 51.9783** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **20.3373, 10.6137, 0.9777**, and the grayscale version is **19.6586, 20.6824, 22.5232**.

A 20% lighter version of the original color is **50.7054, 67.9658, 94.4507**, and **11.5673, 16.3607, 24.7386** is the 20% darker color. If you saturate the color by 10%, you get **24.7837, 35.3865, 51.9790**, and if you desaturate by 10%, it is **25.2051, 35.8412, 52.0446**.

Distribution



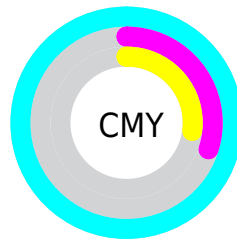
- Red (0%)
- Green (70%)
- Blue (73%)



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



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (27%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7833, 35.3860, 51.9783 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 24.7833, 35.3860, 51.9783 by changing the saturation by 10% instead.


 24.7833, 35.3860,
51.9783


 24.7833, 35.3860,
51.9783


269.1246,
326.2688, 411.3074


 16.0435, 23.9604,
36.6057


 50.7509, 68.0833,
94.5255


 9.6460, 15.3042,
24.6089


 68.7094, 90.1238,
122.5371


 5.2254, 9.0332,
15.5696


 90.4716, 116.4713,
155.5988

 2.4162, 4.7628,
9.0690

 116.4028,
147.5103, 194.1291

 0.8532, 2.1088,
4.6888

 146.8683,
183.6252, 238.5466

 0.0000, 0.6696,
2.0103

182.2336,

 0.0000, 0.0000,

225.2003, 289.2698

0.5616

222.8639,
272.6200, 346.7172

■ 0.0000, 0.0000,
0.0000

■ 24.7833, 35.3860,
51.9783

■ 24.7833, 35.3860,
51.9783

■ 24.7837, 35.3865,
51.9790

■ 25.2051, 35.8412,
52.0446

■ 25.8756, 36.4252,
52.1220

■ 26.8873, 37.1865,
52.2156

■ 28.2857, 38.1486,
52.3276

■ 30.1092, 39.3311,
52.4597

■ 32.3915, 40.7516,
52.6136

■ 35.1630, 42.4257,
52.7907

■ 38.4516, 44.3677,
52.9922

■ 42.2828, 46.5909,
53.2194

Harmonies

Analogous

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



24.1286, 35.3860, 35.1564



24.7833, 35.3860, 51.9783



27.6848, 35.3860, 68.5721

Triad

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



24.7833, 35.3860, 51.9783



42.9290, 35.3860, 59.6820



34.8619, 35.3860, 15.4869

Complementary

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



24.7833, 35.3860, 51.9783



20.3373, 10.6137, 0.9777

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.



40.3782, 35.3860, 18.8627



24.7833, 35.3860, 51.9783



45.3545, 35.3860, 42.1114

Square

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



24.7833, 35.3860, 51.9783



38.0495, 35.3860, 73.8054



44.3733, 35.3860, 27.6268



29.5728, 35.3860, 16.7846

Rectangle

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



24.7833, 35.3860, 51.9783



30.6919, 35.3860, 75.7585



44.3733, 35.3860, 27.6268



36.7570, 35.3860, 16.0735

Sweetspot

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



24.7844, 35.3873, 51.9792



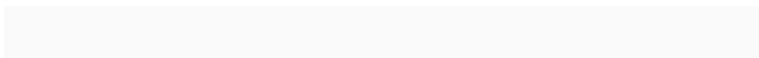
63.4533, 76.7304, 95.6675



17.5937, 35.1322, 6.0329



13.4845, 16.6037, 21.0367



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.



24.7844, 35.3873, 51.9792



44.8736, 64.0439, 94.1980



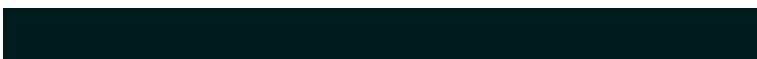
12.2570, 10.3325, 47.8034



9.2327, 10.1426, 11.5505



16.6880, 23.8356, 34.9743



0.5986, 0.8608, 1.2364

Inverse Universe

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



28.2865, 13.6544, 43.2656



51.2453, 24.7381, 78.2920



24.7325, 19.4040, 2.4428



9.3638, 9.1559, 11.2632



19.0370, 9.1886, 29.1453



0.6763, 0.3260, 1.0547

Previews

White Background



This preview shows how the XYZ color 24.7833, 35.3860, 51.9783 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 24.7833, 35.3860, 51.9783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

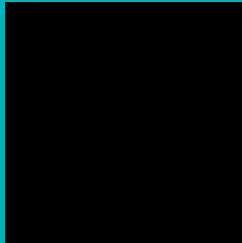
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

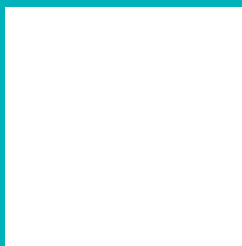
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.7833, 35.3860, 51.9783

Background



This preview shows how black text looks on a background with the XYZ color 24.7833, 35.3860, 51.9783.

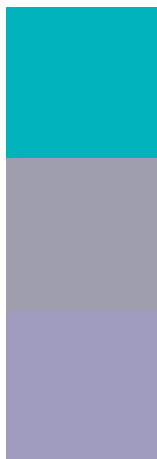


This preview shows how white text looks on a background with the XYZ color 24.7833, 35.3860,

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

24.7833, 35.3860, 51.9783

Protanopia

33.8702, 34.7400, 44.4555

Deuteranopia

35.5905, 34.9095, 54.1526



Tritanopia

25.5899, 35.4322, 55.3595

Trichromacy



Original Color

24.7833, 35.3860, 51.9783



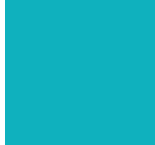
Protanomaly

26.8578, 32.8913, 47.0526



Deuteranomaly

27.8276, 32.9917, 53.0455



Tritanomaly

25.2134, 35.2635, 54.1929

Monochromacy



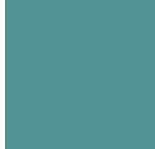
Original Color

24.7833, 35.3860, 51.9783



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

18.7790, 24.0944, 31.6779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7833, 35.3860, 51.9783 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, 178, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 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, 178, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 186) }
```

Border

The CSS property to change the border of an element to XYZ 24.7833, 35.3860, 51.9783 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, 178, 186) }
```


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

```
.border{ border-color:rgb(0, 178, 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, 178, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7833, 35.3860, 51.9783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 186) }
```

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

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