

Converting Colors

XYZ(17.8313, 23.9243, 42.1312)

Have a look what the booklet for
XYZ(17.8313, 23.9243, 42.1312)
contains.

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Color

**XYZ(17.7844, 23.8077,
42.1861)**

Conversions

Conversions Part 1

Format	Color
Hex	0093AB
RGB	0, 147, 171
RGB Percent	0%, 58%, 67%
CMY	0.9999, 0.4235, 0.3294
CMYK	1.00, 0.14, 0.00, 0.33
HSL	188°, 100%, 34%
HSV	188°, 100%, 67%
XYZ	17.7844, 23.8077, 42.1861
YIQ	105.7830, -95.3160, -23.7000

Conversions

Conversions Part 2

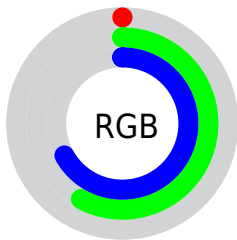
Format	Color
RYB	0, 79, 171
Decimal	37803
CIELab	55.89, -23.91, -21.85
CIELCh	56, 32.388, 222.418
Yxy	23.8077, 0.2123, 0.2842
Android (android.graphics.Color)	4278227883 (0xFF0093AB)
YUV	105.7830, 32.1520, -92.7717
Hunter-Lab	48.7931, -20.3273, -17.1064

Details

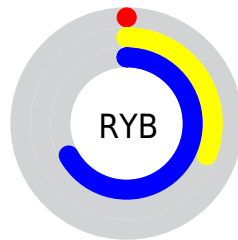
The XYZ color **17.7844, 23.8077, 42.1861** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.1222, 9.3126, 0.8960**, and the grayscale version is **13.5766, 14.2837, 15.5549**.

A 20% lighter version of the original color is **39.1283, 49.5914, 79.4613**, and **7.5126, 9.6977, 18.9286** is the 20% darker color. If you saturate the color by 10%, you get **17.7841, 23.8070, 42.1864**, and if you desaturate by 10%, it is **18.3955, 24.6831, 42.3233**.

Distribution



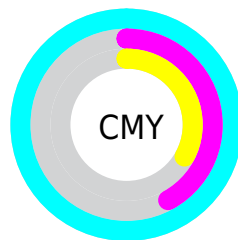
- Red (0%)
- Green (58%)
- Blue (67%)



- Red (0%)
- Yellow (31%)
- Blue (67%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (42%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7844, 23.8077, 42.1861 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 17.7844, 23.8077, 42.1861 by changing the saturation by 10% instead.

■ 17.7844, 23.8077,
42.1861

■ 17.7844, 23.8077,
42.1861

232.7222,
271.8468, 371.0762

■ 10.8941, 15.1910,
28.9204

■ 39.2026, 49.7162,
79.7543

■ 6.0624, 8.9536,
18.7755

■ 54.4611, 67.7768,
104.8939

■ 2.9241, 4.7109,
11.3330

■ 73.2398, 89.7543,
134.8286

■ 1.1137, 2.0787,
6.1743

■ 95.9039, 116.0329,
169.9768

■ 0.0366, 0.6526,
2.8809

■ 122.8188,
146.9970, 210.7571

■ 0.0000, 0.0000,
1.0341

■ 154.3500,

■ 0.0000, 0.0000,

183.0311, 257.5881

0.0000

190.8626,
224.5196, 310.8883

■ 17.7844, 23.8077,
42.1861

■ 17.7844, 23.8077,
42.1861

■ 17.7841, 23.8070,
42.1864

■ 18.3955, 24.6831,
42.3233

■ 19.2143, 25.6768,
42.4720

■ 20.3219, 26.8310,
42.6364

■ 21.7548, 28.1647,
42.8183

■ 23.5443, 29.6941,
43.0192

■ 25.7177, 31.4333,
43.2403

■ 28.2998, 33.3951,
43.4829

■ 31.3132, 35.5914,
43.7480

■ 34.7788, 38.0328,
44.0366

Harmonies

Analogous

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



16.3827, 23.8077, 30.5420



17.7844, 23.8077, 42.1861



20.5522, 23.8077, 50.5180

Triad

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



17.7844, 23.8077, 42.1861



30.0882, 23.8077, 32.5578



21.1369, 23.8077, 10.7114

Complementary

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



17.7844, 23.8077, 42.1861



17.1222, 9.3126, 0.8960

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.



24.8401, 23.8077, 10.9765



17.7844, 23.8077, 42.1861



30.2888, 23.8077, 21.7941

Square

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



17.7844, 23.8077, 42.1861



27.7596, 23.8077, 44.0029



28.2809, 23.8077, 14.4902



18.1722, 23.8077, 13.6292

Rectangle

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



17.7844, 23.8077, 42.1861



22.9291, 23.8077, 51.9848



28.2809, 23.8077, 14.4902



22.3305, 23.8077, 10.4597

Sweetspot

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



17.7852, 23.8085, 42.1867



50.4096, 59.6049, 77.8499



14.7164, 29.1876, 5.6597



10.8028, 12.9623, 17.3203



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.7852, 23.8085, 42.1867



31.7321, 42.4007, 75.5136



9.1132, 6.4646, 39.2960



8.1391, 8.8775, 10.2373



13.4353, 18.0045, 31.8116



0.3995, 0.5524, 0.8936

Inverse Universe

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



22.0617, 10.7654, 28.5197



39.4502, 19.2547, 50.7597



22.1905, 19.4492, 2.5854



8.2880, 8.1284, 9.8274



16.6452, 8.1206, 21.5747



0.4761, 0.2311, 0.6687

Previews

White Background



This preview shows how the XYZ color 17.7844, 23.8077, 42.1861 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 17.7844, 23.8077, 42.1861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

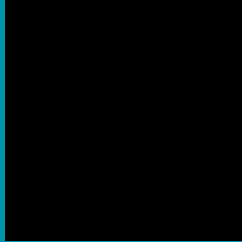
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.7844, 23.8077, 42.1861

Background



This preview shows how black text looks on a background with the XYZ color 17.7844, 23.8077, 42.1861.

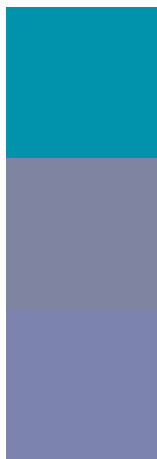


This preview shows how white text looks on a background with the XYZ color 17.7844, 23.8077,

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

17.7844, 23.8077, 42.1861

Protanopia

23.4367, 23.5878, 37.0359

Deuteranopia

24.1663, 23.6128, 43.8415



Tritanopia

16.9351, 23.7179, 36.9431

Trichromacy



Original Color

17.7844, 23.8077, 42.1861

Protanomaly

19.1305, 22.3573, 38.9044

Deuteranomaly

19.8101, 22.6096, 43.3644

Tritanomaly

17.2907, 23.8601, 38.8161

Monochromacy



Original Color

17.7844, 23.8077, 42.1861

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.1814, 16.4797, 23.6053

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7844, 23.8077, 42.1861 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, 147, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 171)  
}
```

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, 147, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 171) }
```

Border

The CSS property to change the border of an element to XYZ 17.7844, 23.8077, 42.1861 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, 147, 171) }
```


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

```
.border{ border-color:rgb(0, 147, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 147, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 147, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 147, 171); box-shadow:4px 4px 4px 4px rgb(0, 147, 171) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7844, 23.8077, 42.1861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 171) }
```

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

```
.background{ background-color: rgb(0, 147,  
171) }
```

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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