

Converting Colors

XYZ(18.3866, 25.0350, 42.3163)

Have a look what the booklet for
XYZ(18.3866, 25.0350, 42.3163)
contains.

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Color

**XYZ(18.4173, 25.0735,
42.3971)**

Conversions

Conversions Part 1

Format	Color
Hex	0097AB
RGB	0, 151, 171
RGB Percent	0%, 59%, 67%
CMY	0.9999, 0.4078, 0.3294
CMYK	1.00, 0.12, 0.00, 0.33
HSL	187°, 100%, 34%
HSV	187°, 100%, 67%
XYZ	18.4173, 25.0735, 42.3971
YIQ	108.1310, -96.4160, -25.7920

Conversions

Conversions Part 2

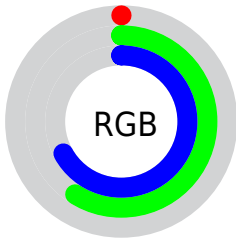
Format	Color
RYB	0, 80, 171
Decimal	38827
CIELab	57.15, -25.95, -19.93
CIELCh	57, 32.724, 217.520
Yxy	25.0735, 0.2144, 0.2919
Android (android.graphics.Color)	4278228907 (0xFF0097AB)
YUV	108.1310, 30.9944, -94.8309
Hunter-Lab	50.0734, -21.9752, -15.1493

Details

The XYZ color **18.4173, 25.0735, 42.3971** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.0457, 9.1595, 0.8704**, and the grayscale version is **14.2286, 14.9696, 16.3019**.

A 20% lighter version of the original color is **40.3130, 51.9608, 79.8562**, and **7.8869, 10.4463, 19.0534** is the 20% darker color. If you saturate the color by 10%, you get **18.4172, 25.0731, 42.3975**, and if you desaturate by 10%, it is **18.9759, 25.8439, 42.5169**.

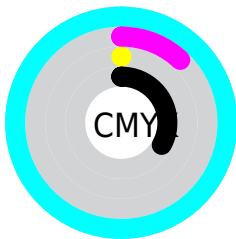
Distribution



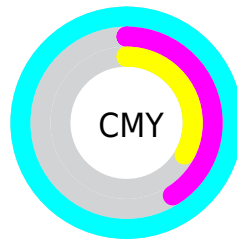
- Red (0%)
- Green (59%)
- Blue (67%)



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



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (33%)



- Cyan (100%)
- Magenta (41%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4173, 25.0735, 42.3971 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 18.4173, 25.0735, 42.3971 by changing the saturation by 10% instead.

■ 18.4173, 25.0735,
42.3971

■ 18.4173, 25.0735,
42.3971

■ 236.2131,
278.2038, 371.9745

■ 11.3515, 16.1318,
29.0845

■ 40.2717, 51.7764,
80.0768

■ 6.3728, 9.6175,
18.8986

■ 55.7909, 70.3065,
105.2810

■ 3.1159, 5.1461,
11.4210

■ 74.8587, 92.8014,
135.2861

■ 1.2153, 2.3332,
6.2330

■ 97.8404, 119.6457,
170.5107

■ 0.1184, 0.7912,
2.9162

■ 125.1013,
151.2237, 211.3733

■ 0.0000, 0.0000,
1.0520

■ 157.0068,

■ 0.0000, 0.0000,

187.9198, 258.2924

0.0000

193.9223,
230.1183, 311.6867

■ 18.4173, 25.0735,
42.3971

■ 18.4173, 25.0735,
42.3971

■ 18.4172, 25.0731,
42.3975

■ 18.9759, 25.8439,
42.5169

■ 19.7399, 26.7279,
42.6472

■ 20.7902, 27.7676,
42.7925

■ 22.1635, 28.9821,
42.9546

■ 23.8909, 30.3875,
43.1348

■ 25.9999, 31.9978,
43.3345

■ 28.5151, 33.8259,
43.5547

■ 31.4592, 35.8834,
43.7967

■ 34.8529, 38.1812,
44.0614

Harmonies

Analogous

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



17.2059, 25.0735, 30.1776



18.4173, 25.0735, 42.3971



21.1054, 25.0735, 52.0221

Triad

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



18.4173, 25.0735, 42.3971



31.3669, 25.0735, 36.2595



22.8736, 25.0735, 11.1869

Complementary

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



18.4173, 25.0735, 42.3971



17.0457, 9.1595, 0.8704

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.



26.7830, 25.0735, 11.9957



18.4173, 25.0735, 42.3971



31.9713, 25.0735, 24.6129

Square

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



18.4173, 25.0735, 42.3971



28.6427, 25.0735, 47.8634



30.2149, 25.0735, 16.2953



19.5919, 25.0735, 13.6761

Rectangle

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



18.4173, 25.0735, 42.3971



23.5120, 25.0735, 54.5123



30.2149, 25.0735, 16.2953



24.1541, 25.0735, 11.0973

Sweetspot

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



18.4181, 25.0744, 42.3977



50.8020, 60.3896, 77.9807



14.6896, 29.1768, 5.5182



10.9014, 13.1594, 17.3531



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.



18.4181, 25.0744, 42.3977



32.8820, 44.7004, 75.8969



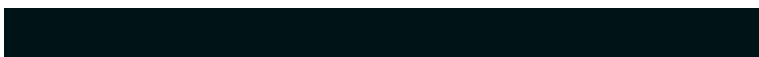
9.2743, 6.7868, 39.3498



8.1552, 8.9097, 10.2426



13.9085, 18.9509, 31.9694



0.4090, 0.5714, 0.8967

Inverse Universe

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



22.3812, 10.8931, 30.2020



40.0306, 19.4869, 53.8161



21.8938, 18.8557, 2.4865



8.2961, 8.1317, 9.8702



16.8840, 8.2162, 22.8325



0.4808, 0.2330, 0.6939

Previews

White Background



This preview shows how the XYZ color 18.4173, 25.0735, 42.3971 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 18.4173, 25.0735, 42.3971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

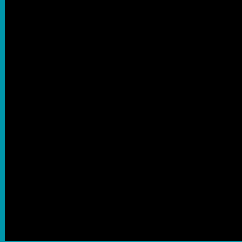
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4173, 25.0735, 42.3971

Background



This preview shows how black text looks on a background with the XYZ color 18.4173, 25.0735, 42.3971.

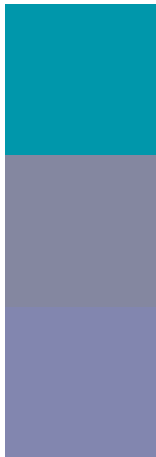


This preview shows how white text looks on a background with the XYZ color 18.4173, 25.0735,

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

18.4173, 25.0735, 42.3971

Protanopia

24.5249, 24.7715, 36.7465

Deuteranopia

25.4689, 24.8912, 44.0196



Tritanopia

17.9291, 25.1368, 39.0289

Trichromacy



Original Color

18.4173, 25.0735, 42.3971

Protanomaly

19.8819, 23.6149, 38.6322

Deuteranomaly

20.5853, 23.6512, 43.5246

Tritanomaly

18.2033, 25.2465, 40.4729

Monochromacy



Original Color

18.4173, 25.0735, 42.3971

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.7586, 17.3192, 24.0905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4173, 25.0735, 42.3971 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, 151, 171)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 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, 151, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 171) }
```

Border

The CSS property to change the border of an element to XYZ 18.4173, 25.0735, 42.3971 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, 151, 171) }
```


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

```
.border{ border-color:rgb(0, 151, 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, 151, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 171);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4173, 25.0735, 42.3971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 171) }
```

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

```
.background{ background-color: rgb(0, 151,  
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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