

Converting Colors

XYZ(10.1971, 16.8617, 14.2891)

Have a look what the booklet for
XYZ(10.1971, 16.8617, 14.2891)
contains.

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Color

**XYZ(10.1872, 16.8471,
14.2702)**

Conversions

Conversions Part 1

Format	Color
Hex	008262
RGB	0, 130, 98
RGB Percent	0%, 51%, 38%
CMY	1.0000, 0.4902, 0.6157
CMYK	1.00, 0.00, 0.25, 0.49
HSL	165°, 100%, 25%
HSV	165°, 100%, 51%
XYZ	10.1872, 16.8471, 14.2702
YIQ	87.4820, -67.2080, -37.5120

Conversions

Conversions Part 2

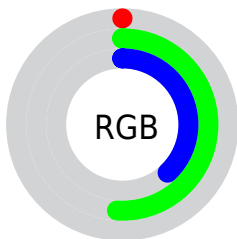
Format	Color
RYB	0, 74, 130
Decimal	33378
CIELab	48.07, -38.64, 8.87
CIELCh	48, 39.648, 167.073
Yxy	16.8471, 0.2466, 0.4079
Android (android.graphics.Color)	4278223458 (0xFF008262)
YUV	87.4820, 5.1854, -76.7217
Hunter-Lab	41.0452, -27.5264, 8.1183

Details

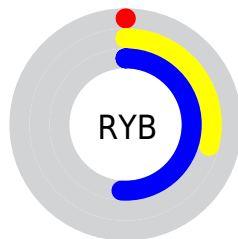
The XYZ color **10.1872, 16.8471, 14.2702** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.4671, 4.8504, 1.8042**, and the grayscale version is **9.1633, 9.6405, 10.4985**.

A 20% lighter version of the original color is **25.8736, 38.1564, 34.4350**, and **3.4158, 5.8399, 4.1960** is the 20% darker color. If you saturate the color by 10%, you get **10.1875, 16.8477, 14.2703**, and if you desaturate by 10%, it is **10.5078, 16.9950, 15.0903**.

Distribution



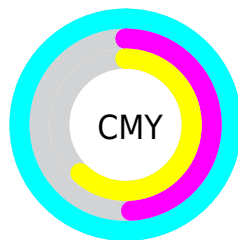
- Red (0%)
- Green (51%)
- Blue (38%)



- Red (0%)
- Yellow (29%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (49%)



- Cyan (100%)
- Magenta (49%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1872, 16.8471, 14.2702 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 10.1872, 16.8471, 14.2702 by changing the saturation by 10% instead.

10.1872, 16.8471,
14.2702

10.1872, 16.8471,
14.2702

186.0288,
234.2897, 230.3919

5.5865, 10.1255,
8.1679

25.7935, 38.0627,
34.2917

2.6336, 5.4823,
4.1133

37.5298, 53.3255,
49.0480

0.9631, 2.5329,
1.6877

52.3753, 72.2042,
67.5261

0.0000, 0.8931,
0.3523

70.6954, 95.0832,
90.1445

0.0000, 0.0000,
0.0000

92.8555, 122.3468,
117.3217

119.2208,

154.3796, 149.4763

150.1568,
191.5657, 187.0269

■ 10.1872, 16.8471,
14.2702

■ 10.1872, 16.8471,
14.2702

■ 10.1875, 16.8477,
14.2703

■ 10.5078, 16.9950,
15.0903

■ 10.9282, 17.1932,
15.9466

■ 11.5055, 17.4716,
16.8425

■ 12.2578, 17.8394,
17.7792

■ 13.2007, 18.3048,
18.7577

■ 14.3482, 18.8750,
19.7792

■ 15.7126, 19.5562,
20.8443

■ 17.3057, 20.3545,
21.9541

■ 19.1380, 21.2754,
23.1094

Harmonies

Analogous

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



11.4748, 16.8471, 7.9115



10.1872, 16.8471, 14.2702



10.2830, 16.8471, 24.7756

Triad

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



10.1872, 16.8471, 14.2702



18.1242, 16.8471, 44.4457



21.1843, 16.8471, 7.3485

Complementary

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



10.1872, 16.8471, 14.2702



9.4671, 4.8504, 1.8042

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.



23.5521, 16.8471, 13.1340



10.1872, 16.8471, 14.2702



21.6124, 16.8471, 35.3530

Square

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



10.1872, 16.8471, 14.2702



14.5188, 16.8471, 45.1163



23.7195, 16.8471, 23.1267



17.6056, 16.8471, 5.0413

Rectangle

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



10.1872, 16.8471, 14.2702



11.1160, 16.8471, 33.0137



23.7195, 16.8471, 23.1267



22.1700, 16.8471, 8.8267

Sweetspot

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



10.1877, 16.8478, 14.2706



27.4934, 34.3504, 36.5765



8.5944, 16.2811, 2.6897



6.0243, 7.6757, 8.1285



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.1877, 16.8478, 14.2706



17.8804, 29.6451, 24.8140



8.3508, 10.2544, 22.6590



4.4026, 4.8694, 5.2913



9.7707, 16.1548, 13.6970



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.4671, 4.8504, 1.8042



16.6202, 8.5209, 2.9061



9.7365, 5.8064, 0.6077



4.3678, 4.3603, 4.7415



9.0795, 4.6515, 1.7425



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.1872, 16.8471, 14.2702 looks on a white 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

Black Background



This preview shows how the XYZ color 10.1872, 16.8471, 14.2702 looks on a black 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

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

XYZ 10.1872, 16.8471, 14.2702

Background



This preview shows how black text looks on a background with the XYZ color 10.1872, 16.8471, 14.2702.



This preview shows how white text looks on a background with the XYZ color 10.1872, 16.8471,

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

10.1872, 16.8471, 14.2702

Protanopia

15.6357, 16.6134, 12.0555

Deuteranopia

17.0774, 16.7983, 15.1743



Tritanopia

12.6212, 16.8879, 25.5162

Trichromacy



Original Color

10.1872, 16.8471, 14.2702

Protanomaly

11.6332, 15.5617, 12.7465

Deuteranomaly

12.1899, 15.4560, 14.6527

Tritanomaly

11.5282, 16.8035, 21.0482

Monochromacy



Original Color

10.1872, 16.8471, 14.2702

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.3141, 11.2681, 11.6343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1872, 16.8471, 14.2702 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, 130, 98)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 98)  
}
```

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, 130, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 98) }
```

Border

The CSS property to change the border of an element to XYZ 10.1872, 16.8471, 14.2702 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, 130, 98) }
```


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

```
.border{ border-color:rgb(0, 130, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 98);  
box-shadow:4px 4px 4px 4px rgb(0, 130, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.1872, 16.8471, 14.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 98) }
```

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

```
.background{ background-color: rgb(0, 130,  
98) }
```

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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