

Converting Colors

XYZ(6.6914, 13.4788, 18.2167)

Have a look what the booklet for
XYZ(6.6914, 13.4788, 18.2167)
contains.

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Color

**XYZ(9.9968, 15.1340,
18.3139)**

Conversions

Conversions Part 1

Format	Color
Hex	007A72
RGB	0, 122, 114
RGB Percent	0%, 48%, 45%
CMY	1.0000, 0.5216, 0.5529
CMYK	1.00, 0.00, 0.07, 0.52
HSL	176°, 100%, 24%
HSV	176°, 100%, 48%
XYZ	9.9968, 15.1340, 18.3139
YIQ	84.6100, -70.1440, -28.3520

Conversions

Conversions Part 2

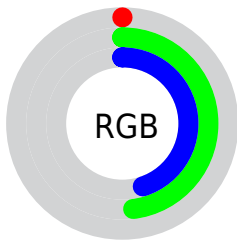
Format	Color
RYB	0, 63, 122
Decimal	31346
CIELab	45.82, -30.44, -3.82
CIELCh	46, 30.675, 187.152
Yxy	15.1340, 0.2301, 0.3484
Android (android.graphics.Color)	4278221426 (0xFF007A72)
YUV	84.6100, 14.4893, -74.2030
Hunter-Lab	38.9024, -22.2099, -0.6799

Details

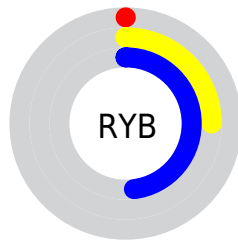
The XYZ color **9.9968, 15.1340, 18.3139** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.0703, 4.1555, 0.6068**, and the grayscale version is **8.5354, 8.9799, 9.7791**.

A 20% lighter version of the original color is **25.4374, 35.0754, 41.5059**, and **3.3007, 5.0281, 5.9508** is the 20% darker color. If you saturate the color by 10%, you get **9.9971, 15.1345, 18.3140**, and if you desaturate by 10%, it is **10.1975, 15.2325, 18.5625**.

Distribution



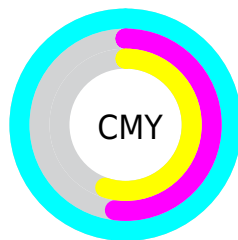
- Red (0%)
- Green (48%)
- Blue (45%)



- Red (0%)
- Yellow (25%)
- Blue (48%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (52%)



- Cyan (100%)
- Magenta (52%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.9968, 15.1340, 18.3139 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 9.9968, 15.1340, 18.3139 by changing the saturation by 10% instead.

9.9968, 15.1340,
18.3139

9.9968, 15.1340,
18.3139

184.7033,
224.1759, 254.9297

5.4591, 8.9135,
11.0038

25.4392, 35.0881,
41.3926

2.5566, 4.6848,
5.9552

37.0746, 49.5904,
57.9983

0.9239, 2.0635,
2.7495

51.8066, 67.6222,
78.5397

0.0000, 0.6440,
0.9682

70.0006, 89.5678,
103.4352

0.0000, 0.0000,
0.0000

92.0219, 115.8115,
133.1034

118.2359,

146.7378, 167.9629

149.0079,
182.7312, 208.4321

■ 9.9968, 15.1340,
18.3139

■ 9.9968, 15.1340,
18.3139

■ 9.9971, 15.1345,
18.3140

■ 10.1975, 15.2325,
18.5625

■ 10.4756, 15.3705,
18.8164

■ 10.8847, 15.5761,
19.0785

■ 11.4401, 15.8570,
19.3496

■ 12.1551, 16.2201,
19.6303

■ 13.0414, 16.6715,
19.9211

■ 14.1097, 17.2167,
20.2225

■ 15.3697, 17.8606,
20.5350

■ 16.8306, 18.6080,
20.8590

Harmonies

Analogous

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



10.2748, 15.1340, 11.5483



9.9968, 15.1340, 18.3139



10.7770, 15.1340, 26.6508

Triad

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



9.9968, 15.1340, 18.3139



17.5981, 15.1340, 30.6185



16.4009, 15.1340, 6.5371

Complementary

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



9.9968, 15.1340, 18.3139



8.0703, 4.1555, 0.6068

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.



18.7184, 15.1340, 9.2928



9.9968, 15.1340, 18.3139



19.4653, 15.1340, 22.6432

Square

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



9.9968, 15.1340, 18.3139



15.0118, 15.1340, 35.0103



19.8981, 15.1340, 14.7697



13.7747, 15.1340, 6.0090

Rectangle

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



9.9968, 15.1340, 18.3139



11.8545, 15.1340, 31.5541



19.8981, 15.1340, 14.7697



17.2508, 15.1340, 7.1827

Sweetspot

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



9.9972, 15.1346, 18.3143



24.6735, 30.2122, 35.5367



7.0618, 13.9721, 2.3250



5.4904, 6.8309, 8.0843



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



9.9972, 15.1346, 18.3143



17.5679, 26.6175, 32.1171



5.6498, 5.6787, 19.2113



4.0963, 4.5081, 5.0407



10.5238, 15.9332, 19.2749



50.0766, 75.9537, 91.2964

Inverse Universe

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



8.0703, 4.1555, 0.6068



14.1770, 7.3020, 0.9600



9.2937, 6.6725, 0.7984



4.0080, 4.0189, 4.2397



8.4950, 4.3742, 0.6319



40.4058, 20.8187, 2.4011

Previews

White Background



This preview shows how the XYZ color 9.9968, 15.1340, 18.3139 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 9.9968, 15.1340, 18.3139 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 9.9968, 15.1340, 18.3139

Background



This preview shows how black text looks on a background with the XYZ color 9.9968, 15.1340, 18.3139.



This preview shows how white text looks on a background with the XYZ color 9.9968, 15.1340,

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

9.9968, 15.1340, 18.3139

Protanopia

14.5196, 15.1452, 15.7937

Deuteranopia

15.2610, 14.9886, 19.2283



Tritanopia

11.1578, 15.2648, 23.1272

Trichromacy



Original Color

9.9968, 15.1340, 18.3139

Protanomaly

11.2640, 14.2540, 16.6256

Deuteranomaly

11.6430, 14.0697, 18.9317

Tritanomaly

10.7249, 15.2586, 21.4487

Monochromacy



Original Color

9.9968, 15.1340, 18.3139

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.0003, 10.3642, 12.6452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9968, 15.1340, 18.3139 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, 122, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 114)  
}
```

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, 122, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 114) }
```

Border

The CSS property to change the border of an element to XYZ 9.9968, 15.1340, 18.3139 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, 122, 114) }
```


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

```
.border{ border-color:rgb(0, 122, 114) }
```

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

Here you see how a box with a 4 pixel rgb(0, 122, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 9.9968, 15.1340, 18.3139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 114) }
```

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

```
.background{ background-color: rgb(0, 122,  
114) }
```

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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