

Converting Colors

XYZ(6.5428, 19.4533, 23.0495)

Have a look what the booklet for
XYZ(6.5428, 19.4533, 23.0495)
contains.

XYZ(14.8325, 23.6396, 23.5198)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.8325, 23.6396,
23.5198)**

Conversions

Conversions Part 1

Format	Color
Hex	00977E
RGB	0, 151, 126
RGB Percent	0%, 59%, 49%
CMY	0.9999, 0.4078, 0.5059
CMYK	1.00, 0.00, 0.17, 0.41
HSL	170°, 100%, 30%
HSV	170°, 100%, 59%
XYZ	14.8325, 23.6396, 23.5198
YIQ	103.0010, -81.9710, -39.7870

Conversions

Conversions Part 2

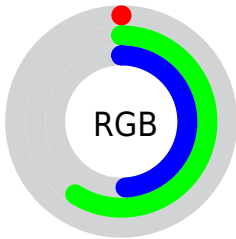
Format	Color
RYB	0, 82, 151
Decimal	38782
CIELab	55.73, -39.97, 3.66
CIELCh	56, 40.136, 174.765
Yxy	23.6396, 0.2393, 0.3813
Android (android.graphics.Color)	4278228862 (0xFF00977E)
YUV	103.0010, 11.3385, -90.3319
Hunter-Lab	48.6206, -30.6317, 5.3534

Details

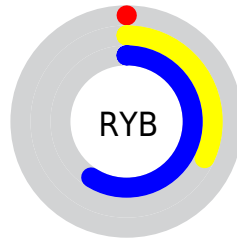
The XYZ color **14.8325, 23.6396, 23.5198** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.9388, 6.6501, 1.5222**, and the grayscale version is **12.8803, 13.5511, 14.7571**.

A 20% lighter version of the original color is **34.1385, 49.4235, 50.3882**, and **5.8014, 9.4595, 8.5413** is the 20% darker color. If you saturate the color by 10%, you get **14.8328, 23.6404, 23.5195**, and if you desaturate by 10%, it is **15.1953, 23.8083, 24.3902**.

Distribution



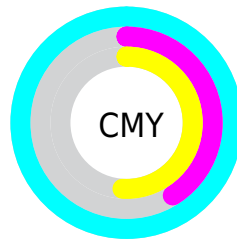
- Red (0%)
- Green (59%)
- Blue (49%)



- Red (0%)
- Yellow (32%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8325, 23.6396, 23.5198 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 14.8325, 23.6396, 23.5198 by changing the saturation by 10% instead.

■ 14.8325, 23.6396,
23.5198

■ 14.8325, 23.6396,
23.5198

■ 215.7587,
270.9933, 283.5916

■ 8.7875, 15.0665,
14.7689

■ 34.1331, 49.4414,
50.1794

■ 4.6588, 8.8661,
8.5125

■ 48.1195, 67.4390,
68.9252

■ 2.0812, 4.6539,
4.3322

■ 65.4836, 89.3467,
91.8397

■ 0.6790, 2.0457,
1.8093

■ 86.5909, 115.5492,
119.3414

■ 0.0000, 0.6338,
0.4341

■ 111.8066,
146.4306, 151.8489

■ 0.0000, 0.0000,
0.0000

■ 141.4963,

182.3756, 189.7808

176.0252,
223.7683, 233.5555

■ 14.8325, 23.6396,
23.5198

■ 14.8325, 23.6396,
23.5198

■ 14.8328, 23.6404,
23.5195

■ 15.1953, 23.8083,
24.3902

■ 15.7056, 24.0520,
25.2882

■ 16.4316, 24.4065,
26.2176

■ 17.3998, 24.8853,
27.1798

■ 18.6331, 25.5003,
28.1761

■ 20.1516, 26.2619,
29.2076

■ 21.9734, 27.1793,
30.2752

■ 24.1151, 28.2612,
31.3798

■ 26.5921, 29.5154,
32.5223

Harmonies

Analogous

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



16.0523, 23.6396, 13.8190



14.8325, 23.6396, 23.5198



15.4226, 23.6396, 37.7295

Triad

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



14.8325, 23.6396, 23.5198



26.3373, 23.6396, 55.8617



27.9049, 23.6396, 10.2164

Complementary

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



14.8325, 23.6396, 23.5198



12.9388, 6.6501, 1.5222

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.



31.3882, 23.6396, 16.6040



14.8325, 23.6396, 23.5198



30.4010, 23.6396, 43.0747

Square

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



14.8325, 23.6396, 23.5198



21.6797, 23.6396, 59.6316



32.3581, 23.6396, 28.0947



23.2767, 23.6396, 7.9796

Rectangle

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



14.8325, 23.6396, 23.5198



16.8107, 23.6396, 47.7286



32.3581, 23.6396, 28.0947



29.2721, 23.6396, 11.8175

Sweetspot

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



14.8332, 23.6405, 23.5204



39.1351, 48.5646, 54.0987



11.4724, 22.3430, 3.7084



8.5951, 10.8870, 12.1259



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



14.8332, 23.6405, 23.5204



26.5051, 42.3124, 41.8152



10.2083, 11.4785, 30.9568



6.3406, 7.0090, 7.7172



12.6271, 20.1143, 20.0548



0.1991, 0.3048, 0.3541

Inverse Universe

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



12.9388, 6.6501, 1.5222



23.1238, 11.8898, 2.4795



13.9184, 8.8903, 0.9828



6.2485, 6.2385, 6.6885



11.0143, 5.6600, 1.3344



0.1739, 0.0883, 0.0685

Previews

White Background



This preview shows how the XYZ color 14.8325, 23.6396, 23.5198 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 14.8325, 23.6396, 23.5198 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 14.8325, 23.6396, 23.5198

Background



This preview shows how black text looks on a background with the XYZ color 14.8325, 23.6396, 23.5198.

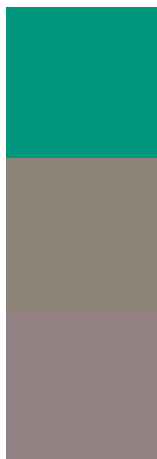


This preview shows how white text looks on a background with the XYZ color 14.8325, 23.6396,

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

14.8325, 23.6396, 23.5198

Protanopia

22.0511, 23.2524, 19.8490

Deuteranopia

23.6700, 23.1880, 24.7009



Tritanopia

17.4467, 23.5400, 35.9719

Trichromacy



Original Color

14.8325, 23.6396, 23.5198

Protanomaly

16.6473, 21.8960, 21.1182

Deuteranomaly

17.2808, 21.5205, 24.0119

Tritanomaly

16.2302, 23.4881, 30.8724

Monochromacy



Original Color

14.8325, 23.6396, 23.5198

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

11.8325, 15.7389, 17.4532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8325, 23.6396, 23.5198 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 126) }
```

Border

The CSS property to change the border of an element to XYZ 14.8325, 23.6396, 23.5198 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, 126) }
```


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

```
.border{ border-color:rgb(0, 151, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8325, 23.6396, 23.5198 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, 126) }
```

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

```
.background{ background-color: rgb(0, 151,  
126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor