

Converting Colors

XYZ(10.9230, 15.7293, 16.3480)

Have a look what the booklet for
XYZ(10.9230, 15.7293, 16.3480)
contains.

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Color

**XYZ(10.8800, 15.6336,
16.3541)**

Conversions

Conversions Part 1

Format	Color
Hex	317A6B
RGB	49, 122, 107
RGB Percent	19%, 48%, 42%
CMY	0.8078, 0.5216, 0.5804
CMYK	0.60, 0.00, 0.12, 0.52
HSL	168°, 43%, 34%
HSV	168°, 60%, 48%
XYZ	10.8800, 15.6336, 16.3541
YIQ	98.4630, -38.6930, -20.1410

Conversions

Conversions Part 2

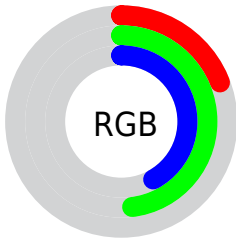
Format	Color
RYB	49, 90, 122
Decimal	3242603
CIELab	46.49, -26.58, 1.43
CIELCh	46, 26.619, 176.923
Yxy	15.6336, 0.2538, 0.3647
Android (android.graphics.Color)	4281432683 (0xFF317A6B)
YUV	98.4630, 4.2087, -43.3791
Hunter-Lab	39.5393, -20.0762, 3.1543

Details

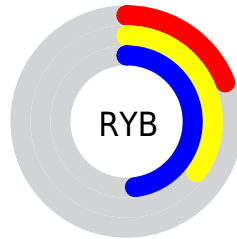
The XYZ color **10.8800, 15.6336, 16.3541** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **10.0503, 6.7048, 5.6154**, and the grayscale version is **11.7221, 12.3325, 13.4301**.

A 20% lighter version of the original color is **27.0950, 36.0121, 37.8707**, and **3.1982, 5.0913, 5.0891** is the 20% darker color. If you saturate the color by 10%, you get **10.2395, 15.3188, 15.6458**, and if you desaturate by 10%, it is **11.6845, 16.0333, 17.0907**.

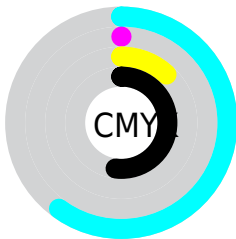
Distribution



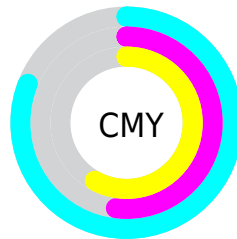
- Red (19%)
- Green (48%)
- Blue (42%)



- Red (19%)
- Yellow (35%)
- Blue (48%)



- Cyan (60%)
- Magenta (0%)
- Yellow (12%)
- Black (52%)



- Cyan (81%)
- Magenta (52%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8800, 15.6336, 16.3541 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 10.8800, 15.6336, 16.3541 by changing the saturation by 10% instead.

■ 10.8800, 15.6336,
16.3541

■ 10.8800, 15.6336,
16.3541

190.7678,
227.1699, 243.3389

■ 6.0529, 9.2653,
9.6180

■ 27.0730, 35.9609,
37.9872

■ 2.9182, 4.9146,
5.0442

■ 39.1696, 50.6887,
53.7212

■ 1.1107, 2.1972,
2.2140

■ 54.4200, 68.9718,
73.2917

■ 0.0340, 0.7185,
0.6824

■ 73.1897, 91.1945,
97.1171

■ 0.0000, 0.0000,
0.0000

■ 95.8439, 117.7413,
125.6159

■ 122.7481,

148.9965, 159.2068

154.2676,
185.3445, 198.3083

■ 10.8800, 15.6336,
16.3541

■ 10.8800, 15.6336,
16.3541

■ 10.2395, 15.3188,
15.6458

■ 11.6845, 16.0333,
17.0907

■ 9.7486, 15.0803,
14.9640

■ 12.6636, 16.5221,
17.8553

■ 9.3923, 14.9108,
14.3081

■ 13.8282, 17.1061,
18.6489

■ 9.1187, 14.7835,
13.6755

■ 15.1882, 17.7904,
19.4721

■ 9.1143, 14.7814,
13.6652

■ 16.7527, 18.5797,
20.3255

■ 18.5303, 19.4783,
21.2096

■ 20.5289, 20.4904,
22.1250

■ 22.7561, 21.6199,
23.0721

■ 25.2192, 22.8706,
24.0516

Harmonies

Analogous

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



11.4650, 15.6336, 11.0233



10.8800, 15.6336, 16.3541



11.2672, 15.6336, 23.3982

Triad

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



10.8800, 15.6336, 16.3541



16.9446, 15.6336, 30.9318



17.3956, 15.6336, 8.4878

Complementary

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



10.8800, 15.6336, 16.3541



10.0503, 6.7048, 5.6154

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.



19.1435, 15.6336, 11.9247



10.8800, 15.6336, 16.3541



18.8649, 15.6336, 24.8783

Square

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



10.8800, 15.6336, 16.3541



14.6241, 15.6336, 32.9849



19.7068, 15.6336, 17.7085



15.0970, 15.6336, 7.2762

Rectangle

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



10.8800, 15.6336, 16.3541



12.0490, 15.6336, 28.0014



19.7068, 15.6336, 17.7085



18.0757, 15.6336, 9.3695

Sweetspot

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



10.8804, 15.6342, 16.3545



27.0832, 31.4807, 34.4630



9.6822, 15.2590, 5.3410



6.0512, 7.1269, 7.7991



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.



10.8804, 15.6342, 16.3545



17.6468, 26.7703, 27.0511



9.4644, 11.4276, 20.1200



4.0735, 4.4990, 4.9207



9.5925, 15.5607, 14.3709



45.4443, 74.1007, 66.9028

Inverse Universe

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



10.0503, 6.7048, 5.6154



16.0640, 9.5139, 6.4043



10.7513, 8.7006, 4.0187



4.0289, 4.0273, 4.3498



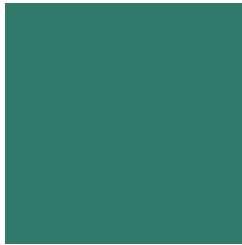
8.6330, 4.4294, 1.3584



40.9251, 21.0264, 5.1359

Previews

White Background



This preview shows how the XYZ color 10.8800, 15.6336, 16.3541 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 10.8800, 15.6336, 16.3541 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 10.8800, 15.6336, 16.3541

Background



This preview shows how black text looks on a background with the XYZ color 10.8800, 15.6336, 16.3541.



This preview shows how white text looks on a background with the XYZ color 10.8800, 15.6336,

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

10.8800, 15.6336, 16.3541

Protanopia

14.7083, 15.4348, 14.2606

Deuteranopia

15.7142, 15.4269, 16.9013



Tritanopia

12.2466, 15.6485, 23.1439

Trichromacy



Original Color

10.8800, 15.6336, 16.3541

Protanomaly

12.6819, 15.1876, 15.0950

Deuteranomaly

13.1706, 15.0722, 16.6831

Tritanomaly

11.6890, 15.5977, 20.4837

Monochromacy



Original Color

10.8800, 15.6336, 16.3541

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

10.9149, 13.1604, 14.2769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8800, 15.6336, 16.3541 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(49, 122, 107)` looks like.

```
.text, #text, p{  
    color:rgb(49, 122, 107)  
}
```

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(49, 122, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 122, 107) }
```

Border

The CSS property to change the border of an element to XYZ 10.8800, 15.6336, 16.3541 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(49, 122, 107) }
```


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

```
.border{ border-color:rgb(49, 122, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 122, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 122, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 122, 107);  
box-shadow:4px 4px 4px 4px rgb(49, 122,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8800, 15.6336, 16.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 122, 107) }
```

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

```
.background{ background-color: rgb(49, 122,  
107) }
```

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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