

Converting Colors

XYZ(10.6937, 15.0255, 23.7883)

Have a look what the booklet for
XYZ(10.6937, 15.0255, 23.7883)
contains.

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Color

**XYZ(10.8132, 15.0716,
23.8119)**

Conversions

Conversions Part 1

Format	Color
Hex	007883
RGB	0, 120, 131
RGB Percent	0%, 47%, 51%
CMY	0.9999, 0.5294, 0.4863
CMYK	1.00, 0.08, 0.00, 0.49
HSL	185°, 100%, 26%
HSV	185°, 100%, 51%
XYZ	10.8132, 15.0716, 23.8119
YIQ	85.3740, -75.0510, -22.0190

Conversions

Conversions Part 2

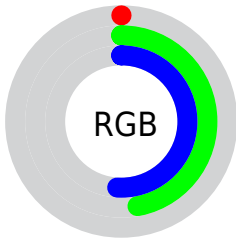
Format	Color
RYB	0, 63, 131
Decimal	30851
CIELab	45.73, -23.81, -14.06
CIELCh	46, 27.654, 210.564
Yxy	15.0716, 0.2176, 0.3033
Android (android.graphics.Color)	4278220931 (0xFF007883)
YUV	85.3740, 22.4936, -74.8730
Hunter-Lab	38.8222, -18.2209, -9.1905

Details

The XYZ color **10.8132, 15.0716, 23.8119** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **9.4802, 5.0652, 0.4786**, and the grayscale version is **8.6799, 9.1320, 9.9447**.

A 20% lighter version of the original color is **26.9886, 35.0972, 50.6994**, and **3.7762, 5.1157, 8.7710** is the 20% darker color. If you saturate the color by 10%, you get **10.8132, 15.0716, 23.8122**, and if you desaturate by 10%, it is **11.1143, 15.4246, 23.8645**.

Distribution



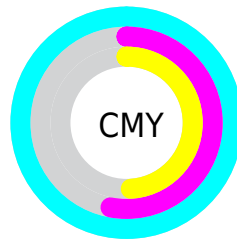
- Red (0%)
- Green (47%)
- Blue (51%)



- Red (0%)
- Yellow (25%)
- Blue (51%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (53%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8132, 15.0716, 23.8119 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 10.8132, 15.0716, 23.8119 by changing the saturation by 10% instead.

■ 10.8132, 15.0716,
23.8119

■ 10.8132, 15.0716,
23.8119

190.3163,
223.7992, 285.1240

■ 6.0077, 8.8697,
14.9832

■ 26.9502, 34.9787,
50.6631

■ 2.8905, 4.6563,
8.6611

■ 39.0125, 49.4527,
69.5226

■ 1.0961, 2.0470,
4.4270

■ 54.2245, 67.4528,
92.5629

■ 0.0219, 0.6346,
1.8624

■ 72.9514, 89.3635,
120.2024

■ 0.0000, 0.0000,
0.4687

■ 95.5587, 115.5690,
152.8598

■ 0.0000, 0.0000,
0.0000

■ 122.4117,

146.4539, 190.9535

153.8758,
182.4025, 234.9020

■ 10.8132, 15.0716,
23.8119

■ 10.8132, 15.0716,
23.8119

■ 10.8132, 15.0716,
23.8122

■ 11.1143, 15.4246,
23.8645

■ 11.5127, 15.8299,
23.9217

■ 12.0661, 16.3172,
23.9866

■ 12.7928, 16.8962,
24.0600

■ 13.7086, 17.5750,
24.1428

■ 14.8277, 18.3609,
24.2355

■ 16.1628, 19.2604,
24.3387

■ 17.7255, 20.2795,
24.4531

■ 19.5267, 21.4239,
24.5791

Harmonies

Analogous

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



10.3070, 15.0716, 16.5366



10.8132, 15.0716, 23.8119



12.2403, 15.0716, 30.2612

Triad

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



10.8132, 15.0716, 23.8119



18.5775, 15.0716, 23.5336



14.2812, 15.0716, 6.6551

Complementary

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



10.8132, 15.0716, 23.8119



9.4802, 5.0652, 0.4786

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.



16.6341, 15.0716, 7.6011



10.8132, 15.0716, 23.8119



19.2714, 15.0716, 16.2849

Square

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



10.8132, 15.0716, 23.8119



16.7184, 15.0716, 30.0723



18.5253, 15.0716, 10.7276



12.1719, 15.0716, 7.6767

Rectangle

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



10.8132, 15.0716, 23.8119



13.6053, 15.0716, 32.5389



18.5253, 15.0716, 10.7276



15.0699, 15.0716, 6.7500

Sweetspot

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



10.8137, 15.0721, 23.8123



28.7617, 34.3700, 43.5713



8.1767, 16.2569, 3.0216



6.4869, 7.8622, 10.1284



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.8137, 15.0721, 23.8123



19.3094, 26.8806, 42.6239



5.4440, 4.3329, 22.0224



4.7691, 5.2138, 5.9558



10.6448, 14.8374, 23.4396



0.0393, 0.0563, 0.0820

Inverse Universe

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



12.7507, 6.1819, 18.2910



22.8054, 11.0585, 32.6087



11.9741, 10.0530, 1.3099



4.8415, 4.7563, 5.7775



12.5511, 6.0848, 18.0064



0.0447, 0.0216, 0.0689

Previews

White Background



This preview shows how the XYZ color 10.8132, 15.0716, 23.8119 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 10.8132, 15.0716, 23.8119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

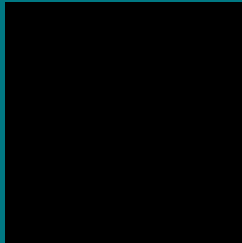
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.8132, 15.0716, 23.8119

Background



This preview shows how black text looks on a background with the XYZ color 10.8132, 15.0716, 23.8119.

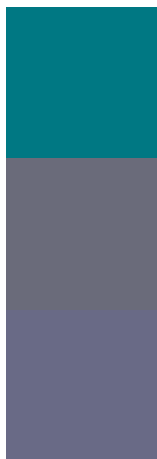


This preview shows how white text looks on a background with the XYZ color 10.8132, 15.0716,

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

10.8132, 15.0716, 23.8119

Protanopia

14.7144, 14.9847, 20.5292

Deuteranopia

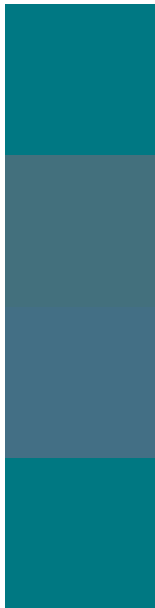
15.2828, 15.0326, 24.6503



Tritanopia

10.7457, 15.0446, 23.4566

Trichromacy



Original Color

10.8132, 15.0716, 23.8119

Protanomaly

11.8106, 14.2623, 21.5325

Deuteranomaly

12.2328, 14.2556, 24.2972

Tritanomaly

10.7457, 15.0446, 23.4566

Monochromacy



Original Color

10.8132, 15.0716, 23.8119

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.2873, 10.4789, 14.1562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8132, 15.0716, 23.8119 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, 120, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 131)  
}
```

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, 120, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 131) }
```

Border

The CSS property to change the border of an element to XYZ 10.8132, 15.0716, 23.8119 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, 120, 131) }
```


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

```
.border{ border-color:rgb(0, 120, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 120,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8132, 15.0716, 23.8119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 131) }
```

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

```
.background{ background-color: rgb(0, 120,  
131) }
```

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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