

Converting Colors

XYZ(8.4378, 13.8609, 28.1427)

Have a look what the booklet for
XYZ(8.4378, 13.8609, 28.1427)
contains.

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Color

**XYZ(11.7953, 15.6579,
28.3872)**

Conversions

Conversions Part 1

Format	Color
Hex	00798F
RGB	0, 121, 143
RGB Percent	0%, 47%, 56%
CMY	0.9999, 0.5255, 0.4392
CMYK	1.00, 0.15, 0.00, 0.44
HSL	189°, 100%, 28%
HSV	189°, 100%, 56%
XYZ	11.7953, 15.6579, 28.3872
YIQ	87.3290, -79.1780, -18.8100

Conversions

Conversions Part 2

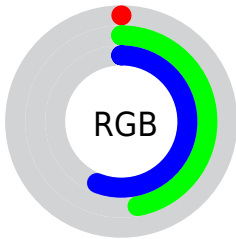
Format	Color
RYB	0, 66, 143
Decimal	31119
CIELab	46.52, -20.09, -19.97
CIELCh	47, 28.330, 224.820
Yxy	15.6579, 0.2112, 0.2804
Android (android.graphics.Color)	4278221199 (0xFF00798F)
YUV	87.3290, 27.4458, -76.5875
Hunter-Lab	39.5701, -16.0392, -14.8351

Details

The XYZ color **11.7953, 15.6579, 28.3872** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **11.6153, 6.4144, 0.6265**, and the grayscale version is **9.0865, 9.5597, 10.4105**.

A 20% lighter version of the original color is **28.8703, 36.1881, 58.2867**, and **4.2931, 5.4250, 11.1768** is the 20% darker color. If you saturate the color by 10%, you get **11.7951, 15.6575, 28.3874**, and if you desaturate by 10%, it is **12.2521, 16.2952, 28.4864**.

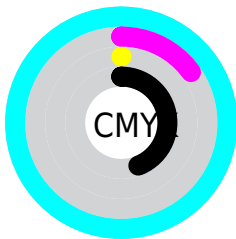
Distribution



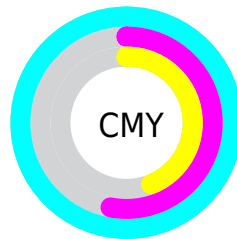
- Red (0%)
- Green (47%)
- Blue (56%)



- Red (0%)
- Yellow (26%)
- Blue (56%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (53%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7953, 15.6579, 28.3872 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 11.7953, 15.6579, 28.3872 by changing the saturation by 10% instead.

■ 11.7953, 15.6579,
28.3872

■ 11.7953, 15.6579,
28.3872

196.8431,
227.3145, 308.2825

■ 6.6757, 9.2824,
18.3762

■ 28.7418, 36.0033,
58.1326

■ 3.3046, 4.9258,
11.0482

■ 41.2994, 50.7419,
78.7040

■ 1.3168, 2.2038,
5.9847

■ 57.0671, 69.0371,
103.6325

■ 0.1958, 0.7221,
2.7671

■ 76.4101, 91.2732,
133.3369

■ 0.0000, 0.0000,
0.9770

■ 99.6938, 117.8346,
168.2355

■ 0.0000, 0.0000,
0.0000

■ 127.2837,

149.1057, 208.7469

159.5450,
185.4708, 255.2897

■ 11.7953, 15.6579,
28.3872

■ 11.7953, 15.6579,
28.3872

■ 11.7951, 15.6575,
28.3874

■ 12.2521, 16.2952,
28.4864

■ 12.8387, 17.0082,
28.5931

■ 13.6184, 17.8299,
28.7107

■ 14.6144, 18.7724,
28.8401

■ 15.8466, 19.8459,
28.9823

■ 17.3326, 21.0596,
29.1383

■ 19.0882, 22.4217,
29.3087

■ 21.1278, 23.9397,
29.4942

■ 23.4652, 25.6206,
29.6954

Harmonies

Analogous

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



10.7906, 15.6579, 20.7233



11.7953, 15.6579, 28.3872



13.6869, 15.6579, 33.5899

Triad

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



11.7953, 15.6579, 28.3872



19.8871, 15.6579, 20.8162



13.7138, 15.6579, 7.0762

Complementary

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



11.7953, 15.6579, 28.3872



11.6153, 6.4144, 0.6265

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.



16.1454, 15.6579, 7.0883



11.7953, 15.6579, 28.3872



19.8964, 15.6579, 13.8365

Square

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



11.7953, 15.6579, 28.3872



18.4419, 15.6579, 28.4710



18.4659, 15.6579, 9.2208



11.8131, 15.6579, 9.1813

Rectangle

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



11.7953, 15.6579, 28.3872



15.2803, 15.6579, 34.2566



18.4659, 15.6579, 9.2208



14.4914, 15.6579, 6.8561

Sweetspot

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



11.7958, 15.6585, 28.3876



33.9642, 39.9865, 52.4661



9.9626, 19.7012, 4.0101



7.5056, 8.9525, 12.0046



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



11.7958, 15.6585, 28.3876



21.0220, 27.8379, 50.8033



6.1016, 4.2701, 26.4895



5.4906, 5.9769, 6.8930



10.4412, 13.8684, 25.1036



0.1122, 0.1573, 0.2441

Inverse Universe

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



14.7794, 7.2207, 18.7044



26.4155, 12.9096, 33.2258



15.2386, 13.6611, 1.8343



5.5911, 5.4970, 6.6107



13.0734, 6.3864, 16.5695



0.1312, 0.0636, 0.1912

Previews

White Background



This preview shows how the XYZ color 11.7953, 15.6579, 28.3872 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 11.7953, 15.6579, 28.3872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

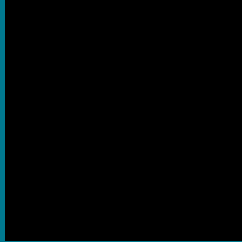
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7953, 15.6579, 28.3872

Background



This preview shows how black text looks on a background with the XYZ color 11.7953, 15.6579, 28.3872.

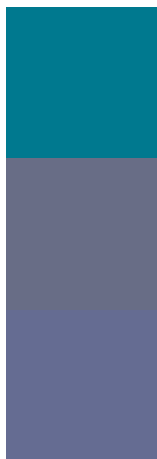


This preview shows how white text looks on a background with the XYZ color 11.7953, 15.6579,

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

11.7953, 15.6579, 28.3872

Protanopia

15.4806, 15.6016, 24.7497

Deuteranopia

15.9177, 15.5671, 29.3599



Tritanopia

11.1244, 15.5850, 24.2517

Trichromacy



Original Color

11.7953, 15.6579, 28.3872

Protanomaly

12.6673, 14.7746, 25.8511

Deuteranomaly

13.1303, 14.9446, 28.9806

Tritanomaly

11.4035, 15.6966, 25.7213

Monochromacy



Original Color

11.7953, 15.6579, 28.3872

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.6912, 10.7974, 15.5360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7953, 15.6579, 28.3872 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, 121, 143)` looks like.

```
.text, #text, p{  
    color:rgb(0, 121, 143)  
}
```

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, 121, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 121, 143) }
```

Border

The CSS property to change the border of an element to XYZ 11.7953, 15.6579, 28.3872 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, 121, 143) }
```


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

```
.border{ border-color:rgb(0, 121, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 121, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 121, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 121, 143);  
box-shadow:4px 4px 4px 4px rgb(0, 121,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7953, 15.6579, 28.3872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 121, 143) }
```

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

```
.background{ background-color: rgb(0, 121,  
143) }
```

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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