

Converting Colors

XYZ(10.8184, 15.5552, 19.9070)

Have a look what the booklet for
XYZ(10.8184, 15.5552, 19.9070)
contains.

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Color

**XYZ(10.7960, 15.5122,
19.8779)**

Conversions

Conversions Part 1

Format	Color
Hex	1D7A77
RGB	29, 122, 119
RGB Percent	11%, 48%, 47%
CMY	0.8863, 0.5216, 0.5333
CMYK	0.76, 0.00, 0.02, 0.52
HSL	178°, 62%, 30%
HSV	178°, 76%, 48%
XYZ	10.7960, 15.5122, 19.8779
YIQ	93.8510, -54.4650, -20.6490

Conversions

Conversions Part 2

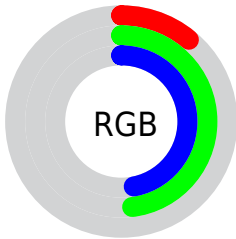
Format	Color
R _Y B	29, 76, 122
Decimal	1931895
CIE Lab	46.33, -26.51, -6.00
CIE LCh	46, 27.178, 192.745
Yxy	15.5122, 0.2337, 0.3359
Android (android.graphics.Color)	4280121975 (0xFF1D7A77)
YUV	93.8510, 12.3985, -56.8743
Hunter-Lab	39.3855, -19.9959, -2.3538

Details

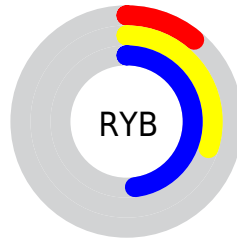
The XYZ color **10.7960, 15.5122, 19.8779** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.7266, 5.1211, 1.8955**, and the grayscale version is **10.5856, 11.1369, 12.1281**.

A 20% lighter version of the original color is **26.8971, 35.7739, 44.0155**, and **3.5199, 5.2200, 6.7833** is the 20% darker color. If you saturate the color by 10%, you get **10.4937, 15.3594, 19.7409**, and if you desaturate by 10%, it is **11.2360, 15.7366, 20.0225**.

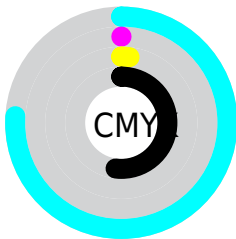
Distribution



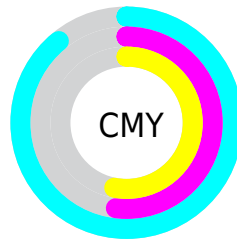
- Red (11%)
- Green (48%)
- Blue (47%)



- Red (11%)
- Yellow (30%)
- Blue (48%)



- Cyan (76%)
- Magenta (0%)
- Yellow (2%)
- Black (52%)



- Cyan (89%)
- Magenta (52%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.7960, 15.5122, 19.8779 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 10.7960, 15.5122, 19.8779 by changing the saturation by 10% instead.

10.7960, 15.5122,
19.8779

10.7960, 15.5122,
19.8779

190.1999,
226.4458, 263.8357

5.9961, 9.1796,
12.1231

26.9186, 35.7493,
44.0687

2.8834, 4.8585,
6.7040

38.9721, 50.4226,
61.3417

1.0924, 2.1645,
3.2021

54.1741, 68.6449,
82.6246

0.0187, 0.7005,
1.1987

72.8900, 90.8006,
108.3359

0.0000, 0.0000,
0.0000

95.4852, 117.2742,
138.8941

122.3250,

148.4500, 174.7178

153.7748,
184.7124, 216.2255

■ 10.7960, 15.5122,
19.8779

■ 10.7960, 15.5122,
19.8779

■ 10.4937, 15.3594,
19.7409

■ 11.2360, 15.7366,
20.0225

■ 10.3001, 15.2624,
19.6092

■ 11.8267, 16.0384,
20.1744

■ 10.2336, 15.2291,
19.5599

■ 12.5813, 16.4247,
20.3344

■ 13.5111, 16.9012,
20.5032

■ 14.6262, 17.4733,
20.6811

■ 15.9363, 18.1459,
20.8687

■ 17.4501, 18.9235,
21.0664

■ 19.1760, 19.8104,
21.2744

■ 21.1218, 20.8107,
21.4933

Harmonies

Analogous

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



10.8702, 15.5122, 13.3669



10.7960, 15.5122, 19.8779



11.6959, 15.5122, 27.1665

Triad

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



10.7960, 15.5122, 19.8779



17.9942, 15.5122, 28.1573



16.1114, 15.5122, 7.3698

Complementary

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



10.7960, 15.5122, 19.8779



8.7266, 5.1211, 1.8955

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.



18.2801, 15.5122, 9.5999



10.7960, 15.5122, 19.8779



19.4432, 15.5122, 20.9837

Square

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



10.7960, 15.5122, 19.8779



15.7532, 15.5122, 32.7261



19.5530, 15.5122, 14.2179



13.7786, 15.5122, 7.2207

Rectangle

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



10.7960, 15.5122, 19.8779



12.7882, 15.5122, 31.0355



19.5530, 15.5122, 14.2179



16.8894, 15.5122, 7.8673

Sweetspot

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



10.7965, 15.5128, 19.8783



26.3123, 31.0381, 36.4695



7.7806, 14.3171, 3.5162



5.8694, 7.0215, 8.3169



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.



10.7965, 15.5128, 19.8783



18.2162, 26.8981, 34.5670



6.7873, 7.2015, 19.4453



4.1017, 4.5103, 5.0696



10.7734, 16.0330, 20.5896



51.3271, 76.4539, 97.8812

Inverse Universe

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



8.7266, 5.1211, 1.8955



14.3968, 7.6461, 1.3274



10.5917, 8.9136, 2.3250



4.0031, 4.0169, 4.2138



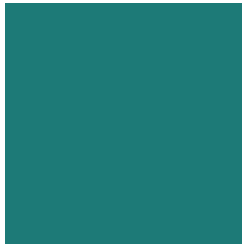
8.4722, 4.3650, 0.5118



40.3527, 20.7974, 2.1214

Previews

White Background



This preview shows how the XYZ color 10.7960, 15.5122, 19.8779 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 10.7960, 15.5122, 19.8779 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 10.7960, 15.5122, 19.8779

Background



This preview shows how black text looks on a background with the XYZ color 10.7960, 15.5122, 19.8779.



This preview shows how white text looks on a background with the XYZ color 10.7960, 15.5122,

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

10.7960, 15.5122, 19.8779

Protanopia

14.8934, 15.4645, 17.2389

Deuteranopia

15.6063, 15.2906, 20.5412



Tritanopia

11.5087, 15.4380, 23.4923

Trichromacy



Original Color

10.7960, 15.5122, 19.8779

Protanomaly

12.4479, 14.9989, 18.1586

Deuteranomaly

12.8126, 14.8078, 20.2721

Tritanomaly

11.2630, 15.5212, 22.1409

Monochromacy



Original Color

10.7960, 15.5122, 19.8779

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.9243, 12.1820, 14.6603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7960, 15.5122, 19.8779 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(29, 122, 119)` looks like.

```
.text, #text, p{  
    color:rgb(29, 122, 119)  
}
```

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(29, 122, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 122, 119) }
```

Border

The CSS property to change the border of an element to XYZ 10.7960, 15.5122, 19.8779 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(29, 122, 119) }
```


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

```
.border{ border-color:rgb(29, 122, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 122, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 122, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 122, 119);  
box-shadow:4px 4px 4px 4px rgb(29, 122,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7960, 15.5122, 19.8779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 122, 119) }
```

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

```
.background{ background-color: rgb(29, 122,  
119) }
```

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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