

Converting Colors

XYZ(10.9306, 16.0959, 21.4171)

Have a look what the booklet for
XYZ(10.9306, 16.0959, 21.4171)
contains.

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Color

**XYZ(10.9088, 16.0973,
21.2710)**

Conversions

Conversions Part 1

Format	Color
Hex	007D7B
RGB	0, 125, 123
RGB Percent	0%, 49%, 48%
CMY	0.9999, 0.5098, 0.5176
CMYK	1.00, 0.00, 0.02, 0.51
HSL	179°, 100%, 25%
HSV	179°, 100%, 49%
XYZ	10.9088, 16.0973, 21.2710
YIQ	87.3970, -73.8580, -27.1220

Conversions

Conversions Part 2

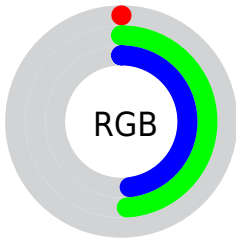
Format	Color
RYB	0, 63, 125
Decimal	32123
CIELab	47.10, -29.00, -7.25
CIELCh	47, 29.897, 194.038
Yxy	16.0973, 0.2260, 0.3334
Android (android.graphics.Color)	4278222203 (0xFF007D7B)
YUV	87.3970, 17.5523, -76.6472
Hunter-Lab	40.1214, -21.6793, -3.3485

Details

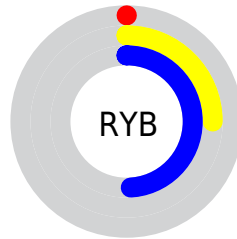
The XYZ color **10.9088, 16.0973, 21.2710** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.4690, 4.3649, 0.4542**, and the grayscale version is **9.1208, 9.5958, 10.4498**.

A 20% lighter version of the original color is **27.0516, 36.6853, 46.2126**, and **3.7521, 5.5266, 7.3475** is the 20% darker color. If you saturate the color by 10%, you get **10.9090, 16.0978, 21.2713**, and if you desaturate by 10%, it is **11.0806, 16.1848, 21.3449**.

Distribution



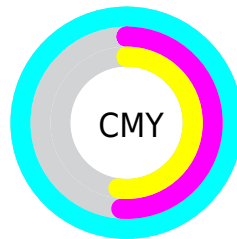
- Red (0%)
- Green (49%)
- Blue (48%)



- Red (0%)
- Yellow (25%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9088, 16.0973, 21.2710 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 10.9088, 16.0973, 21.2710 by changing the saturation by 10% instead.

10.9088, 16.0973,
21.2710

10.9088, 16.0973,
21.2710

190.9620,
229.9152, 271.5434

6.0724, 9.5930,
13.1291

27.1258, 36.7670,
46.4247

2.9302, 5.1300,
7.3857

39.2372, 51.7013,
64.2736

1.1170, 2.3237,
3.6224

54.5042, 70.2143,
86.1953

0.0392, 0.7862,
1.4206

73.2923, 92.6906,
112.6082

0.0000, 0.0000,
0.1577

95.9667, 119.5144,
143.9309

0.0000, 0.0000,
0.0000

122.8929,

151.0701, 180.5820

154.4363,
187.7423, 222.9800

■ 10.9088, 16.0973,
21.2710

■ 10.9088, 16.0973,
21.2710

■ 10.9090, 16.0978,
21.2713

■ 11.0806, 16.1848,
21.3449

■ 11.3355, 16.3147,
21.4224

■ 11.7285, 16.5159,
21.5065

■ 12.2757, 16.7965,
21.5980

■ 12.9914, 17.1640,
21.6975

■ 13.8879, 17.6247,
21.8056

■ 14.9766, 18.1845,
21.9229

■ 16.2679, 18.8487,
22.0497

■ 17.7714, 19.6223,
22.1866

Harmonies

Analogous

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



10.9438, 16.0973, 13.8464



10.9088, 16.0973, 21.2710



11.9521, 16.0973, 29.6123

Triad

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



10.9088, 16.0973, 21.2710



19.0820, 16.0973, 30.1015



16.7298, 16.0973, 6.9821

Complementary

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



10.9088, 16.0973, 21.2710



8.4690, 4.3649, 0.4542

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.



19.2211, 16.0973, 9.2795



10.9088, 16.0973, 21.2710



20.6814, 16.0973, 21.8085

Square

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



10.9088, 16.0973, 21.2710



16.5568, 16.0973, 35.6140



20.7351, 16.0973, 14.2507



14.1085, 16.0973, 6.9144

Rectangle

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



10.9088, 16.0973, 21.2710



13.1959, 16.0973, 33.9924



20.7351, 16.0973, 14.2507



17.6167, 16.0973, 7.4814

Sweetspot

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



10.9093, 16.0979, 21.2714



26.6621, 32.4825, 39.2412



7.3603, 14.6813, 2.4464



5.9050, 7.3065, 8.9092



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.9093, 16.0979, 21.2714



19.5294, 28.8241, 38.0619



5.5691, 5.2149, 20.1157



4.4436, 4.8857, 5.5070



11.3852, 16.8006, 22.1988



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.4690, 4.3649, 0.4542



15.1596, 7.8134, 0.7842



10.0961, 7.6368, 0.9425



4.3303, 4.3453, 4.5441



8.8382, 4.5550, 0.4720



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.9088, 16.0973, 21.2710 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 10.9088, 16.0973, 21.2710 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 10.9088, 16.0973, 21.2710

Background



This preview shows how black text looks on a background with the XYZ color 10.9088, 16.0973, 21.2710.



This preview shows how white text looks on a background with the XYZ color 10.9088, 16.0973,

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

10.9088, 16.0973, 21.2710

Protanopia

15.4038, 16.0285, 18.2015

Deuteranopia

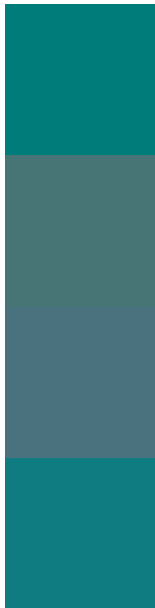
16.2636, 15.9023, 22.2909



Tritanopia

11.6933, 16.0536, 24.6726

Trichromacy



Original Color

10.9088, 16.0973, 21.2710

Protanomaly

12.0548, 15.1147, 19.1117

Deuteranomaly

12.5309, 14.9575, 21.9653

Tritanomaly

11.3671, 16.1018, 23.2777

Monochromacy



Original Color

10.9088, 16.0973, 21.2710

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.5295, 11.0397, 13.7379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9088, 16.0973, 21.2710 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, 125, 123)` looks like.

```
.text, #text, p{  
  color:rgb(0, 125, 123)  
}
```

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, 125, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 123) }
```

Border

The CSS property to change the border of an element to XYZ 10.9088, 16.0973, 21.2710 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, 125, 123) }
```


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

```
.border{ border-color:rgb(0, 125, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 123);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9088, 16.0973, 21.2710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 123) }
```

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

```
.background{ background-color: rgb(0, 125,  
123) }
```

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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