

Converting Colors

XYZ(5.1675, 13.5783, 17.5588)

Have a look what the booklet for
XYZ(5.1675, 13.5783, 17.5588)
contains.

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Color

**XYZ(10.5140, 16.3486,
17.9307)**

Conversions

Conversions Part 1

Format	Color
Hex	007F70
RGB	0, 127, 112
RGB Percent	0%, 50%, 44%
CMY	1.0000, 0.5020, 0.5608
CMYK	1.00, 0.00, 0.12, 0.50
HSL	173°, 100%, 25%
HSV	173°, 100%, 50%
XYZ	10.5140, 16.3486, 17.9307
YIQ	87.3170, -70.8770, -31.5890

Conversions

Conversions Part 2

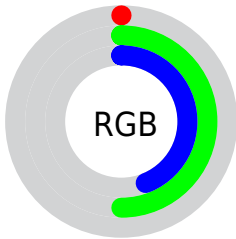
Format	Color
RYB	0, 67, 127
Decimal	32624
CIELab	47.43, -33.38, -0.27
CIELCh	47, 33.381, 180.455
Yxy	16.3486, 0.2347, 0.3650
Android (android.graphics.Color)	4278222704 (0xFF007F70)
YUV	87.3170, 12.1687, -76.5770
Hunter-Lab	40.4334, -24.3426, 2.0105

Details

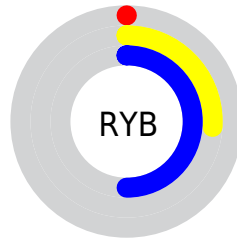
The XYZ color **10.5140, 16.3486, 17.9307** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.8391, 4.5470, 0.8642**, and the grayscale version is **9.1139, 9.5885, 10.4419**.

A 20% lighter version of the original color is **26.3304, 37.0283, 40.8814**, and **3.5793, 5.6779, 5.7578** is the 20% darker color. If you saturate the color by 10%, you get **10.5142, 16.3491, 17.9307**, and if you desaturate by 10%, it is **10.7603, 16.4662, 18.3823**.

Distribution



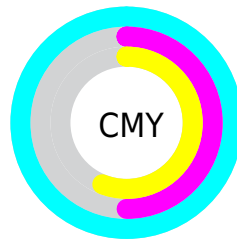
- Red (0%)
- Green (50%)
- Blue (44%)



- Red (0%)
- Yellow (26%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (50%)



- Cyan (100%)
- Magenta (50%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5140, 16.3486, 17.9307 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 10.5140, 16.3486, 17.9307 by changing the saturation by 10% instead.

■ 10.5140, 16.3486,
17.9307

■ 10.5140, 16.3486,
17.9307

188.2802,
231.3900, 252.7031

■ 5.8059, 9.7712,
10.7313

■ 26.3989, 37.2023,
40.7315

■ 2.7670, 5.2475,
5.7746

■ 38.3064, 52.2474,
57.1701

■ 1.0318, 2.3932,
2.6419

■ 53.3445, 70.8839,
77.5254

■ 0.0000, 0.8224,
0.9140

■ 71.8784, 93.4961,
102.2161

■ 0.0000, 0.0000,
0.0000

■ 94.2736, 120.4684,
131.6607

■ 120.8954,

152.1852, 166.2777

152.1092,
189.0310, 206.4857

■ 10.5140, 16.3486,
17.9307

■ 10.5140, 16.3486,
17.9307

■ 10.5142, 16.3491,
17.9307

■ 10.7603, 16.4662,
18.3823

■ 11.0954, 16.6291,
18.8451

■ 11.5748, 16.8661,
19.3219

■ 12.2156, 17.1863,
19.8136

■ 13.0325, 17.5970,
20.3210

■ 14.0384, 18.1050,
20.8447

■ 15.2452, 18.7165,
21.3852

■ 16.6637, 19.4368,
21.9432

■ 18.3038, 20.2713,
22.5190

Harmonies

Analogous

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



11.0946, 16.3486, 10.9122



10.5140, 16.3486, 17.9307



11.1308, 16.3486, 27.4072

Triad

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



10.5140, 16.3486, 17.9307



18.6060, 16.3486, 35.8737



18.5178, 16.3486, 7.0523

Complementary

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



10.5140, 16.3486, 17.9307



8.8391, 4.5470, 0.8642

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.



20.9797, 16.3486, 10.7511



10.5140, 16.3486, 17.9307



21.0350, 16.3486, 27.1091

Square

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



10.5140, 16.3486, 17.9307



15.5841, 16.3486, 39.5821



21.9535, 16.3486, 17.6716



15.4937, 16.3486, 5.9699

Rectangle

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



10.5140, 16.3486, 17.9307



12.1895, 16.3486, 33.5613



21.9535, 16.3486, 17.6716



19.4516, 16.3486, 7.9576

Sweetspot

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



10.5145, 16.3492, 17.9311



27.1309, 33.4301, 38.2236



7.8199, 15.2979, 2.5410



6.1648, 7.7319, 8.8681



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



10.5145, 16.3492, 17.9311



18.7924, 29.2623, 31.9214



6.7319, 7.3342, 21.1402



4.4253, 4.8784, 5.4106



10.6032, 16.4879, 18.0813



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.8391, 4.5470, 0.8642



15.7961, 8.1290, 1.3789



9.7524, 6.5114, 0.7432



4.3468, 4.3519, 4.6310



8.9137, 4.5852, 0.8694



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.5140, 16.3486, 17.9307 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 10.5140, 16.3486, 17.9307 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 10.5140, 16.3486, 17.9307

Background



This preview shows how black text looks on a background with the XYZ color 10.5140, 16.3486, 17.9307.

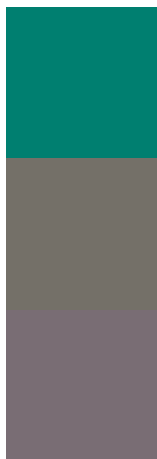


This preview shows how white text looks on a background with the XYZ color 10.5140, 16.3486,

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

10.5140, 16.3486, 17.9307

Protanopia

15.4953, 16.3008, 15.4264

Deuteranopia

16.5062, 16.2632, 18.7921



Tritanopia

12.1704, 16.4766, 25.0931

Trichromacy



Original Color

10.5140, 16.3486, 17.9307

Protanomaly

11.8392, 15.2400, 16.2275

Deuteranomaly

12.4005, 15.3064, 18.5205

Tritanomaly

11.4304, 16.3442, 22.2910

Monochromacy



Original Color

10.5140, 16.3486, 17.9307

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

8.4382, 11.1595, 12.7756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5140, 16.3486, 17.9307 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, 127, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 112)  
}
```

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, 127, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 112) }
```

Border

The CSS property to change the border of an element to XYZ 10.5140, 16.3486, 17.9307 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, 127, 112) }
```


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

```
.border{ border-color:rgb(0, 127, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5140, 16.3486, 17.9307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 112) }
```

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

```
.background{ background-color: rgb(0, 127,  
112) }
```

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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