

Converting Colors

XYZ(13.1836, 19.2915, 26.2080)

Have a look what the booklet for
XYZ(13.1836, 19.2915, 26.2080)
contains.

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Color

**XYZ(13.2481, 19.3859,
26.3362)**

Conversions

Conversions Part 1

Format	Color
Hex	008888
RGB	0, 136, 136
RGB Percent	0%, 53%, 53%
CMY	0.9999, 0.4667, 0.4667
CMYK	1.00, 0.00, 0.00, 0.47
HSL	180°, 100%, 27%
HSV	180°, 100%, 53%
XYZ	13.2481, 19.3859, 26.3362
YIQ	95.3360, -81.0560, -28.8320

Conversions

Conversions Part 2

Format	Color
RYB	0, 68, 136
Decimal	34952
CIELab	51.14, -30.13, -8.86
CIElCh	51, 31.410, 196.386
Yxy	19.3859, 0.2247, 0.3287
Android (android.graphics.Color)	4278225032 (0xFF008888)
YUV	95.3360, 20.0474, -83.6097
Hunter-Lab	44.0294, -23.3423, -4.6437

Details

The XYZ color **13.2481, 19.3859, 26.3362** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.1540, 5.2349, 0.4758**, and the grayscale version is **10.9267, 11.4957, 12.5188**.

A 20% lighter version of the original color is **31.3451, 42.4323, 54.6823**, and **4.9282, 7.1689, 9.9281** is the 20% darker color. If you saturate the color by 10%, you get **13.2485, 19.3865, 26.3367**, and if you desaturate by 10%, it is **13.4237, 19.4768, 26.3449**.

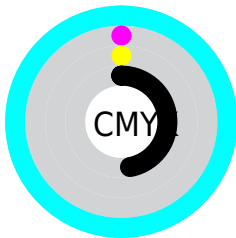
Distribution



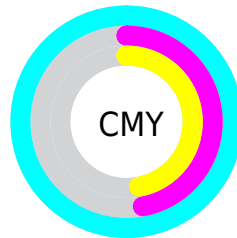
- Red (0%)
- Green (53%)
- Blue (53%)



- Red (0%)
- Yellow (27%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2481, 19.3859, 26.3362 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 13.2481, 19.3859, 26.3362 by changing the saturation by 10% instead.

■ 13.2481, 19.3859,
26.3362

■ 13.2481, 19.3859,
26.3362

206.1073,
248.5709, 298.0864

■ 7.6778, 11.9495,
16.8473

■ 31.3463, 42.3852,
54.8075

■ 3.9395, 6.7093,
9.9649

■ 44.6050, 58.7168,
74.6271

■ 1.6680, 3.2810,
5.2704

■ 61.1571, 78.7822,
98.7272

■ 0.4361, 1.2801,
2.3453

■ 81.3680, 102.9659,
127.5266

■ 0.0000, 0.1257,
0.7564

■ 105.6031,
131.6522, 161.4436

■ 0.0000, 0.0000,
0.0000

■ 134.2278,

165.2256, 200.8969

167.6074,
204.0704, 246.3050

■ 13.2481, 19.3859,
26.3362

■ 13.2481, 19.3859,
26.3362

■ 13.2485, 19.3865,
26.3367

■ 13.4237, 19.4768,
26.3449

■ 13.7063, 19.6225,
26.3582

■ 14.1557, 19.8542,
26.3792

■ 14.7924, 20.1824,
26.4091

■ 15.6337, 20.6162,
26.4485

■ 16.6952, 21.1633,
26.4982

■ 17.9907, 21.8312,
26.5588

■ 19.5331, 22.6263,
26.6311

■ 21.3342, 23.5548,
26.7154

Harmonies

Analogous

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



13.1879, 19.3859, 17.3163



13.2481, 19.3859, 26.3362



14.5891, 19.3859, 36.1531

Triad

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



13.2481, 19.3859, 26.3362



23.1200, 19.3859, 35.3180



19.8743, 19.3859, 8.4246

Complementary

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



13.2481, 19.3859, 26.3362



10.1540, 5.2349, 0.4758

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.



22.8820, 19.3859, 10.9512



13.2481, 19.3859, 26.3362



24.8939, 19.3859, 25.4163

Square

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



13.2481, 19.3859, 26.3362



20.1707, 19.3859, 42.2575



24.8022, 19.3859, 16.6219



16.7844, 19.3859, 8.5418

Rectangle

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



13.2481, 19.3859, 26.3362



16.1253, 19.3859, 41.0916



24.8022, 19.3859, 16.6219



20.9351, 19.3859, 8.9536

Sweetspot

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



13.2487, 19.3866, 26.3367



31.5390, 38.3868, 46.7953



8.8331, 17.6237, 2.9367



7.1011, 8.7853, 10.8277



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.2487, 19.3866, 26.3367



23.3469, 34.1636, 46.4114



6.6518, 6.1928, 24.1380



5.1728, 5.6886, 6.4312



12.5388, 18.3481, 24.9260



0.0833, 0.1219, 0.1656

Inverse Universe

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



10.1540, 5.2349, 0.4758



17.8932, 9.2243, 0.8374



12.0871, 9.1010, 1.1201



5.0329, 5.0486, 5.2616



9.6098, 4.9540, 0.4498



0.0638, 0.0329, 0.0030

Previews

White Background



This preview shows how the XYZ color 13.2481, 19.3859, 26.3362 looks on a white 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

Black Background



This preview shows how the XYZ color 13.2481, 19.3859, 26.3362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

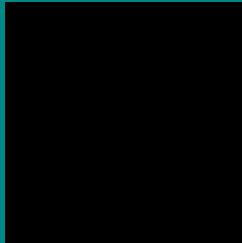
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.2481, 19.3859, 26.3362

Background



This preview shows how black text looks on a background with the XYZ color 13.2481, 19.3859, 26.3362.

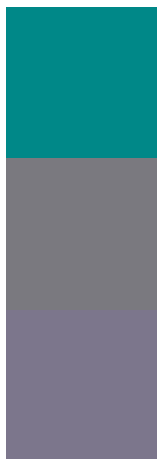


This preview shows how white text looks on a background with the XYZ color 13.2481, 19.3859,

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

13.2481, 19.3859, 26.3362

Protanopia

18.6942, 19.3446, 22.8273

Deuteranopia

19.5242, 19.1354, 27.4754



Tritanopia

14.1757, 19.5790, 29.8200

Trichromacy



Original Color

13.2481, 19.3859, 26.3362

Protanomaly

14.6320, 18.1531, 23.8518

Deuteranomaly

15.2183, 18.1936, 27.1357

Tritanomaly

13.7601, 19.3911, 28.6088

Monochromacy



Original Color

13.2481, 19.3859, 26.3362

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.2539, 13.2383, 16.7667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2481, 19.3859, 26.3362 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, 136, 136)` looks like.

```
.text, #text, p{  
    color:rgb(0, 136, 136)  
}
```

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, 136, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 136, 136) }
```

Border

The CSS property to change the border of an element to XYZ 13.2481, 19.3859, 26.3362 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, 136, 136) }
```


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

```
.border{ border-color:rgb(0, 136, 136) }
```

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

Here you see how a box with a 4 pixel rgb(0, 136, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 136, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 136, 136);  
box-shadow:4px 4px 4px 4px rgb(0, 136,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2481, 19.3859, 26.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 136, 136) }
```

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

```
.background{ background-color: rgb(0, 136,  
136) }
```

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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