

Converting Colors

XYZ(11.6168, 23.5662, 26.0499)

Have a look what the booklet for
XYZ(11.6168, 23.5662, 26.0499)
contains.

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Color

**XYZ(16.4605, 26.1472,
26.3697)**

Conversions

Conversions Part 1

Format	Color
Hex	009E85
RGB	0, 158, 133
RGB Percent	0%, 62%, 52%
CMY	0.9999, 0.3804, 0.4784
CMYK	1.00, 0.00, 0.16, 0.38
HSL	171°, 100%, 31%
HSV	171°, 100%, 62%
XYZ	16.4605, 26.1472, 26.3697
YIQ	107.9080, -86.1430, -41.2710

Conversions

Conversions Part 2

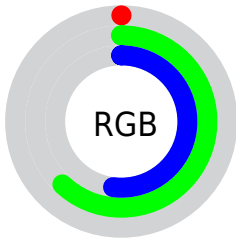
Format	Color
RYB	0, 86, 158
Decimal	40581
CIELab	58.18, -41.03, 3.23
CIELCh	58, 41.152, 175.505
Yxy	26.1472, 0.2386, 0.3791
Android (android.graphics.Color)	4278230661 (0xFF009E85)
YUV	107.9080, 12.3704, -94.6353
Hunter-Lab	51.1343, -32.0247, 5.2185

Details

The XYZ color **16.4605, 26.1472, 26.3697** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **14.2769, 7.3400, 1.5850**, and the grayscale version is **14.2135, 14.9537, 16.2846**.

A 20% lighter version of the original color is **36.8736, 53.3073, 54.8003**, and **6.6518, 10.7432, 10.1106** is the 20% darker color. If you saturate the color by 10%, you get **16.4609, 26.1480, 26.3694**, and if you desaturate by 10%, it is **16.8465, 26.3266, 27.3010**.

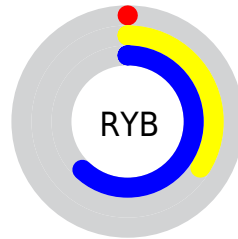
Distribution



Red (0%)

Green (62%)

Blue (52%)



Red (0%)

Yellow (34%)

Blue (62%)

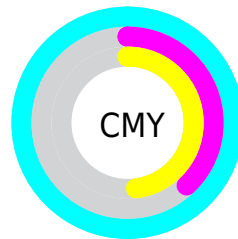


Cyan (100%)

Magenta (0%)

Yellow (16%)

Black (38%)



Cyan (100%)

Magenta (38%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4605, 26.1472, 26.3697 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 16.4605, 26.1472, 26.3697 by changing the saturation by 10% instead.

■ 16.4605, 26.1472,
26.3697

■ 16.4605, 26.1472,
26.3697

225.2613,
283.5039, 298.2552

■ 9.9435, 16.9338,
16.8722

■ 36.9469, 53.5123,
54.8622

■ 5.4235, 10.1873,
9.9824

■ 51.6469, 72.4328,
74.6942

■ 2.5351, 5.5233,
5.2818

■ 69.8054, 95.3578,
98.8081

■ 0.9130, 2.5575,
2.3519

■ 91.7876, 122.6717,
127.6224

■ 0.0000, 0.9053,
0.7601

■ 117.9590,
154.7588, 161.5558

■ 0.0000, 0.0000,
0.0000

■ 148.6848,

192.0037, 201.0267

184.3304,
234.7906, 246.4537

■ 16.4605, 26.1472,
26.3697

■ 16.4605, 26.1472,
26.3697

■ 16.4609, 26.1480,
26.3694

■ 16.8465, 26.3266,
27.3010

■ 17.3987, 26.5906,
28.2611

■ 18.1897, 26.9772,
29.2541

■ 19.2492, 27.5018,
30.2816

■ 20.6029, 28.1775,
31.3449

■ 22.2733, 29.0160,
32.4452

■ 24.2806, 30.0277,
33.5836

■ 26.6434, 31.2221,
34.7611

■ 29.3790, 32.6083,
35.9787

Harmonies

Analogous

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



17.7525, 26.1472, 15.5694



16.4605, 26.1472, 26.3697



17.1583, 26.1472, 42.0188

Triad

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



16.4605, 26.1472, 26.3697



29.2173, 26.1472, 61.1755



30.6926, 26.1472, 11.2952

Complementary

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



16.4605, 26.1472, 26.3697



14.2769, 7.3400, 1.5850

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.



34.5583, 26.1472, 18.2000



16.4605, 26.1472, 26.3697



33.6297, 26.1472, 47.0431

Square

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



16.4605, 26.1472, 26.3697



24.1076, 26.1472, 65.5968



35.6988, 26.1472, 30.6787



25.6119, 26.1472, 8.9208

Rectangle

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



16.4605, 26.1472, 26.3697



18.7151, 26.1472, 52.9173



35.6988, 26.1472, 30.6787



32.2026, 26.1472, 13.0215

Sweetspot

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



16.4612, 26.1482, 26.3703



43.8567, 54.4095, 60.8603



12.6623, 24.6789, 4.0966



9.5473, 12.0950, 13.5342



76.7382, 80.7346, 87.9200



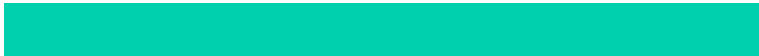
13.3056, 13.9985, 15.2444

Same Dimension

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



16.4612, 26.1482, 26.3703



29.8306, 47.4586, 47.5629



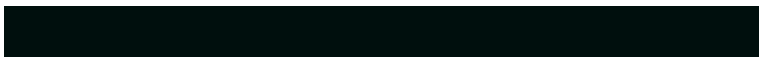
11.2583, 12.6415, 34.1956



6.7767, 7.4914, 8.2588



13.1949, 20.9459, 21.1812



0.2470, 0.3789, 0.4368

Inverse Universe

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



14.2769, 7.3400, 1.5850



25.8767, 13.3087, 2.6209



15.3596, 9.7864, 1.0799



6.6737, 6.6624, 7.1331



11.4438, 5.8821, 1.3218



0.2152, 0.1094, 0.0793

Previews

White Background



This preview shows how the XYZ color 16.4605, 26.1472, 26.3697 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 16.4605, 26.1472, 26.3697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

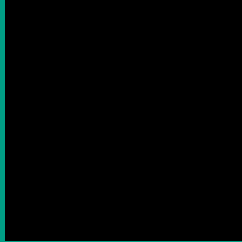
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.4605, 26.1472, 26.3697

Background



This preview shows how black text looks on a background with the XYZ color 16.4605, 26.1472, 26.3697.

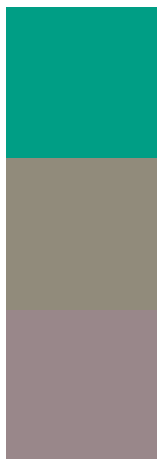


This preview shows how white text looks on a background with the XYZ color 16.4605, 26.1472,

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

16.4605, 26.1472, 26.3697

Protanopia

24.4848, 25.9150, 22.4505

Deuteranopia

26.3883, 25.9352, 27.6599



Tritanopia

19.3564, 26.0935, 40.0928

Trichromacy



Original Color

16.4605, 26.1472, 26.3697

Protanomaly

18.5233, 24.3654, 23.8054

Deuteranomaly

19.1962, 23.9639, 26.9063

Tritanomaly

18.0608, 26.0370, 34.6456

Monochromacy



Original Color

16.4605, 26.1472, 26.3697

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.1260, 17.4713, 19.5101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4605, 26.1472, 26.3697 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, 158, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 158, 133)  
}
```

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, 158, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 158, 133) }
```

Border

The CSS property to change the border of an element to XYZ 16.4605, 26.1472, 26.3697 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, 158, 133) }
```


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

```
.border{ border-color:rgb(0, 158, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 158, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 158, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 158, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 158,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4605, 26.1472, 26.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 158, 133) }
```

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

```
.background{ background-color: rgb(0, 158,  
133) }
```

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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