

Converting Colors

XYZ(8.9610, 21.8820, 25.6427)

Have a look what the booklet for
XYZ(8.9610, 21.8820, 25.6427)
contains.

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Color

**XYZ(16.0533, 25.4429,
25.8947)**

Conversions

Conversions Part 1

Format	Color
Hex	009C84
RGB	0, 156, 132
RGB Percent	0%, 61%, 52%
CMY	0.9999, 0.3882, 0.4823
CMYK	1.00, 0.00, 0.15, 0.39
HSL	171°, 100%, 31%
HSV	171°, 100%, 61%
XYZ	16.0533, 25.4429, 25.8947
YIQ	106.6200, -85.2720, -40.5360

Conversions

Conversions Part 2

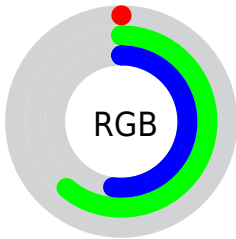
Format	Color
RYB	0, 85, 156
Decimal	40068
CIELab	57.50, -40.45, 2.82
CIELCh	58, 40.544, 176.012
Yxy	25.4429, 0.2382, 0.3775
Android (android.graphics.Color)	4278230148 (0xFF009C84)
YUV	106.6200, 12.5123, -93.5057
Hunter-Lab	50.4410, -31.4624, 4.8712

Details

The XYZ color **16.0533, 25.4429, 25.8947** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.8760, 7.1345, 1.5107**, and the grayscale version is **13.8549, 14.5764, 15.8737**.

A 20% lighter version of the original color is **36.1710, 52.2152, 54.0711**, and **6.5116, 10.5252, 9.8720** is the 20% darker color. If you saturate the color by 10%, you get **16.0537, 25.4437, 25.8946**, and if you desaturate by 10%, it is **16.4272, 25.6171, 26.7802**.

Distribution



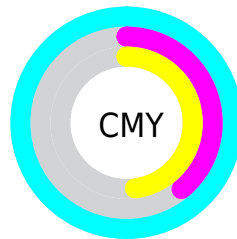
- Red (0%)
- Green (61%)
- Blue (52%)



- Red (0%)
- Yellow (33%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0533, 25.4429, 25.8947 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 16.0533, 25.4429, 25.8947 by changing the saturation by 10% instead.

■ 16.0533, 25.4429,
25.8947

■ 16.0533, 25.4429,
25.8947

222.9202,
280.0365, 295.8538

■ 9.6530, 16.4073,
16.5198

■ 36.2474, 52.3748,
54.0870

■ 5.2300, 9.8129,
9.7344

■ 50.7719, 71.0400,
73.7415

■ 2.4190, 5.2750,
5.1199

■ 68.7351, 93.6838,
97.6597

■ 0.8546, 2.4095,
2.2578

■ 90.5025, 120.6907,
126.2600

■ 0.0000, 0.8308,
0.7075

■ 116.4393,
152.4450, 159.9610

■ 0.0000, 0.0000,
0.0000

■ 146.9110,

189.3311, 199.1813

182.2828,
231.7335, 244.3394

■ 16.0533, 25.4429,
25.8947

■ 16.0533, 25.4429,
25.8947

■ 16.0537, 25.4437,
25.8946

■ 16.4272, 25.6171,
26.7802

■ 16.9616, 25.8729,
27.6925

■ 17.7276, 26.2477,
28.6357

■ 18.7543, 26.7565,
29.6111

■ 20.0662, 27.4118,
30.6202

■ 21.6853, 28.2251,
31.6640

■ 23.6312, 29.2063,
32.7435

■ 25.9219, 30.3649,
33.8599

■ 28.5741, 31.7094,
35.0138

Harmonies

Analogous

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



17.2728, 25.4429, 15.3393



16.0533, 25.4429, 25.8947



16.7620, 25.4429, 41.0761

Triad

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



16.0533, 25.4429, 25.8947



28.4870, 25.4429, 59.1265



29.7527, 25.4429, 10.9880

Complementary

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



16.0533, 25.4429, 25.8947



13.8760, 7.1345, 1.5107

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.



33.5225, 25.4429, 17.6019



16.0533, 25.4429, 25.8947



32.7262, 25.4429, 45.3830

Square

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



16.0533, 25.4429, 25.8947



23.5428, 25.4429, 63.5925



34.6767, 25.4429, 29.5936



24.8341, 25.4429, 8.7435

Rectangle

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



16.0533, 25.4429, 25.8947



18.2911, 25.4429, 51.5741



34.6767, 25.4429, 29.5936



31.2205, 25.4429, 12.6385

Sweetspot

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



16.0540, 25.4439, 25.8953



42.6892, 52.9288, 59.3495



12.3153, 23.9976, 3.9833



9.0774, 11.4871, 12.8898



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.0540, 25.4439, 25.8953



29.0982, 46.1878, 46.7199



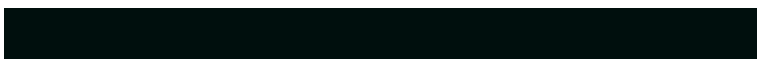
10.9521, 12.3023, 33.2510



6.7780, 7.4919, 8.2654



13.2331, 20.9612, 21.3824



0.2474, 0.3791, 0.4391

Inverse Universe

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



13.8760, 7.1345, 1.5107



25.1543, 12.9384, 2.4949



14.9393, 9.5251, 1.0515



6.6726, 6.6620, 7.1271



11.4376, 5.8796, 1.2897



0.2148, 0.1093, 0.0774

Previews

White Background



This preview shows how the XYZ color 16.0533, 25.4429, 25.8947 looks on a white background.

Color Contrast Check

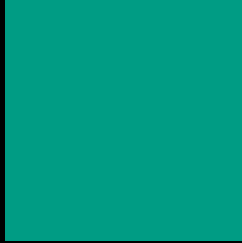
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0533, 25.4429, 25.8947 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 16.0533, 25.4429, 25.8947

Background



This preview shows how black text looks on a background with the XYZ color 16.0533, 25.4429, 25.8947.

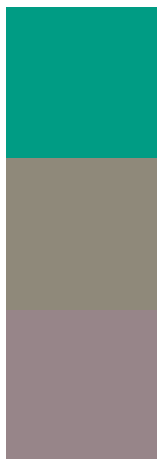


This preview shows how white text looks on a background with the XYZ color 16.0533, 25.4429,

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

16.0533, 25.4429, 25.8947

Protanopia

23.7862, 25.1361, 22.0104

Deuteranopia

25.6654, 25.1605, 27.1707



Tritanopia

18.9678, 25.6723, 39.0775

Trichromacy



Original Color

16.0533, 25.4429, 25.8947



Protanomaly

18.0535, 23.6770, 23.3573



Deuteranomaly

18.7219, 23.2858, 26.4295



Tritanomaly

17.5376, 25.2963, 33.6641

Monochromacy



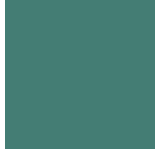
Original Color

16.0533, 25.4429, 25.8947



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.8699, 17.1571, 19.1563

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0533, 25.4429, 25.8947 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, 156, 132)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 132)  
}
```

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, 156, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 132) }
```

Border

The CSS property to change the border of an element to XYZ 16.0533, 25.4429, 25.8947 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, 156, 132) }
```


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

```
.border{ border-color:rgb(0, 156, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 132);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0533, 25.4429, 25.8947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 132) }
```

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

```
.background{ background-color: rgb(0, 156,  
132) }
```

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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