

Converting Colors

XYZ(4.0331, 18.9784, 29.7326)

Have a look what the booklet for
XYZ(4.0331, 18.9784, 29.7326)
contains.

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Color

**XYZ(16.7554, 25.4563,
30.4160)**

Conversions

Conversions Part 1

Format	Color
Hex	009B90
RGB	0, 155, 144
RGB Percent	0%, 61%, 56%
CMY	0.9999, 0.3921, 0.4353
CMYK	1.00, 0.00, 0.07, 0.39
HSL	176°, 100%, 30%
HSV	176°, 100%, 61%
XYZ	16.7554, 25.4563, 30.4160
YIQ	107.4010, -88.8490, -36.2810

Conversions

Conversions Part 2

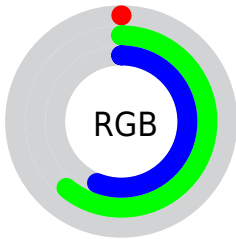
Format	Color
RYB	0, 80, 155
Decimal	39824
CIELab	57.52, -36.53, -3.99
CIELCh	58, 36.747, 186.228
Yxy	25.4563, 0.2307, 0.3505
Android (android.graphics.Color)	4278229904 (0xFF009B90)
YUV	107.4010, 18.0433, -94.1907
Hunter-Lab	50.4542, -29.0167, -0.4246

Details

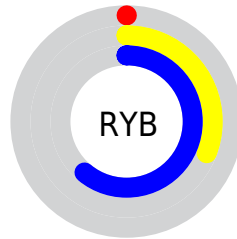
The XYZ color **16.7554, 25.4563, 30.4160** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **13.5788, 6.9935, 0.9516**, and the grayscale version is **14.0578, 14.7899, 16.1062**.

A 20% lighter version of the original color is **37.4561, 52.3441, 61.5554**, and **6.8706, 10.5086, 12.2559** is the 20% darker color. If you saturate the color by 10%, you get **16.7557, 25.4571, 30.4159**, and if you desaturate by 10%, it is **17.0460, 25.5969, 30.8714**.

Distribution



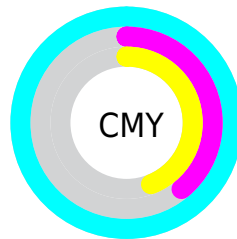
- Red (0%)
- Green (61%)
- Blue (56%)



- Red (0%)
- Yellow (31%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (39%)



- Cyan (100%)
- Magenta (39%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7554, 25.4563, 30.4160 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 16.7554, 25.4563, 30.4160 by changing the saturation by 10% instead.

■ 16.7554, 25.4563,
30.4160

■ 16.7554, 25.4563,
30.4160

■ 226.9427,
280.1028, 318.1062

■ 10.1545, 16.4173,
19.8998

■ 37.4517, 52.3965,
61.3882

■ 5.5645, 9.8200,
12.1389

■ 52.2778, 71.0666,
82.6813

■ 2.6203, 5.2797,
6.7147

■ 70.5763, 93.7157,
108.4038

■ 0.9563, 2.4123,
3.2086

■ 92.7126, 120.7285,
138.9743

■ 0.0000, 0.8322,
1.2021

■ 119.0520,
152.4892, 174.8112

■ 0.0000, 0.0000,
0.0000

■ 149.9599,

189.3822, 216.3331

185.8017,
231.7919, 263.9586

■ 16.7554, 25.4563,
30.4160

■ 16.7554, 25.4563,
30.4160

■ 16.7557, 25.4571,
30.4159

■ 17.0460, 25.5969,
30.8714

■ 17.4915, 25.8167,
31.3377

■ 18.1624, 26.1526,
31.8189

■ 19.0871, 26.6193,
32.3162

■ 20.2898, 27.2292,
32.8310

■ 21.7921, 27.9934,
33.3640

■ 23.6133, 28.9219,
33.9164

■ 25.7711, 30.0238,
34.4888

■ 28.2818, 31.3076,
35.0822

Harmonies

Analogous

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



17.2809, 25.4563, 19.0917



16.7554, 25.4563, 30.4160



18.0209, 25.4563, 44.5450

Triad

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



16.7554, 25.4563, 30.4160



29.5188, 25.4563, 52.0655



27.7495, 25.4563, 10.9918

Complementary

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



16.7554, 25.4563, 30.4160



13.5788, 6.9935, 0.9516

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.



31.6403, 25.4563, 15.7722



16.7554, 25.4563, 30.4160



32.7450, 25.4563, 38.6145

Square

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



16.7554, 25.4563, 30.4160



25.1202, 25.4563, 59.2515



33.5647, 25.4563, 25.1837



23.2937, 25.4563, 9.9963

Rectangle

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



16.7554, 25.4563, 30.4160



19.8116, 25.4563, 52.9732



33.5647, 25.4563, 25.1837



29.1826, 25.4563, 12.1201

Sweetspot

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



16.7561, 25.4573, 30.4166



42.0752, 51.6860, 60.6783



11.8869, 23.5286, 3.9156



9.2209, 11.5445, 13.6456



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.



16.7561, 25.4573, 30.4166



29.9774, 45.5777, 54.3154



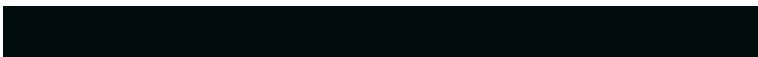
9.6092, 9.7515, 32.3871



6.3657, 7.0190, 7.8489



13.4637, 20.4489, 24.4603



0.2062, 0.3077, 0.3914

Inverse Universe

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



13.5788, 6.9935, 0.9516



24.2899, 12.5125, 1.5611



15.3854, 10.7034, 1.2557



6.2257, 6.2294, 6.5687



10.9119, 5.6190, 0.7953



0.1673, 0.0857, 0.0337

Previews

White Background



This preview shows how the XYZ color 16.7554, 25.4563, 30.4160 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 16.7554, 25.4563, 30.4160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

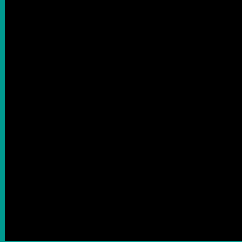
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7554, 25.4563, 30.4160

Background



This preview shows how black text looks on a background with the XYZ color 16.7554, 25.4563, 30.4160.

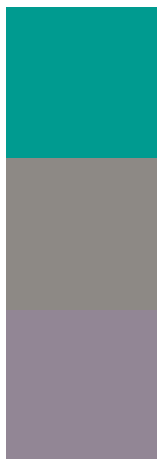


This preview shows how white text looks on a background with the XYZ color 16.7554, 25.4563,

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

16.7554, 25.4563, 30.4160

Protanopia

24.1638, 25.2475, 25.7900

Deuteranopia

25.8040, 25.3311, 31.9631



Tritanopia

18.6920, 25.5301, 39.0646

Trichromacy



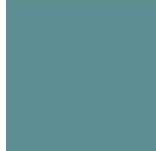
Original Color

16.7554, 25.4563, 30.4160



Protanomaly

18.7051, 23.9263, 27.2993



Deuteranomaly

19.4537, 23.7797, 31.1684



Tritanomaly

17.8537, 25.4110, 35.8621

Monochromacy



Original Color

16.7554, 25.4563, 30.4160



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.9817, 17.0003, 20.3665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7554, 25.4563, 30.4160 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, 155, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 144)  
}
```

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, 155, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 144) }
```

Border

The CSS property to change the border of an element to XYZ 16.7554, 25.4563, 30.4160 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, 155, 144) }
```


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

```
.border{ border-color:rgb(0, 155, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7554, 25.4563, 30.4160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 144) }
```

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

```
.background{ background-color: rgb(0, 155,  
144) }
```

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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