

Converting Colors

XYZ(15.8538, 26.6356, 20.9209)

Have a look what the booklet for
XYZ(15.8538, 26.6356, 20.9209)
contains.

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Color

**XYZ(15.8973, 26.7507,
20.8485)**

Conversions

Conversions Part 1

Format	Color
Hex	00A174
RGB	0, 161, 116
RGB Percent	0%, 63%, 45%
CMY	0.9999, 0.3686, 0.5451
CMYK	1.00, 0.00, 0.28, 0.37
HSL	163°, 100%, 32%
HSV	163°, 100%, 63%
XYZ	15.8973, 26.7507, 20.8485
YIQ	107.7310, -81.5110, -48.1270

Conversions

Conversions Part 2

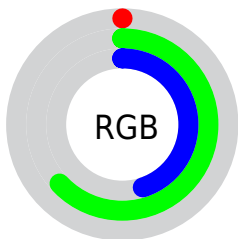
Format	Color
RYB	0, 94, 161
Decimal	41332
CIELab	58.74, -46.68, 13.59
CIELCh	59, 48.621, 163.766
Yxy	26.7507, 0.2504, 0.4213
Android (android.graphics.Color)	4278231412 (0xFF00A174)
YUV	107.7310, 4.0766, -94.4801
Hunter-Lab	51.7211, -35.6471, 12.3053

Details

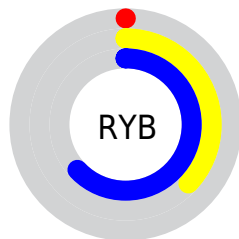
The XYZ color **15.8973, 26.7507, 20.8485** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.1727, 7.7673, 3.1841**, and the grayscale version is **14.1857, 14.9245, 16.2527**.

A 20% lighter version of the original color is **36.0006, 54.5767, 45.6827**, and **6.4060, 11.1425, 7.2819** is the 20% darker color. If you saturate the color by 10%, you get **15.8975, 26.7515, 20.8476**, and if you desaturate by 10%, it is **16.3818, 26.9701, 22.2718**.

Distribution



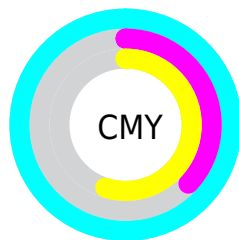
- Red (0%)
- Green (63%)
- Blue (45%)



- Red (0%)
- Yellow (37%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (28%)
- Black (37%)



- Cyan (100%)
- Magenta (37%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8973, 26.7507, 20.8485 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 15.8973, 26.7507, 20.8485 by changing the saturation by 10% instead.

■ 15.8973, 26.7507,
20.8485

■ 15.8973, 26.7507,
20.8485

222.0173,
286.4480, 269.2268

■ 9.5419, 17.3861,
12.8231

■ 35.9787, 54.4836,
45.7128

■ 5.1562, 10.5101,
7.1776

■ 50.4354, 73.6206,
63.3888

■ 2.3749, 5.7385,
3.4933

■ 68.3233, 96.7839,
85.1187

■ 0.8326, 2.6867,
1.3517

■ 90.0077, 124.3578,
111.3212

■ 0.0000, 0.9705,
0.1036

■ 115.8539,
156.7268, 142.4147

■ 0.0000, 0.0000,
0.0000

■ 146.2273,

194.2752, 178.8178

181.4933,
237.3875, 220.9489

■ 15.8973, 26.7507,
20.8485

■ 15.8973, 26.7507,
20.8485

■ 15.8975, 26.7515,
20.8476

■ 16.3818, 26.9701,
22.2718

■ 17.0496, 27.2820,
23.7703

■ 17.9753, 27.7252,
25.3488

■ 19.1904, 28.3161,
27.0098

■ 20.7217, 29.0684,
28.7553

■ 22.5930, 29.9945,
30.5874

■ 24.8257, 31.1053,
32.5078

■ 27.4393, 32.4109,
34.5183

■ 30.4522, 33.9207,
36.6204

Harmonies

Analogous

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



18.2653, 26.7507, 11.2163



15.8973, 26.7507, 20.8485



15.8037, 26.7507, 37.6977

Triad

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



15.8973, 26.7507, 20.8485



28.2647, 26.7507, 74.3159



34.6779, 26.7507, 11.7560

Complementary

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



15.8973, 26.7507, 20.8485



15.1727, 7.7673, 3.1841

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.



38.3256, 26.7507, 21.9649



15.8973, 26.7507, 20.8485



34.2487, 26.7507, 60.0118

Square

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



15.8973, 26.7507, 20.8485



22.3415, 26.7507, 73.6321



38.1572, 26.7507, 39.3496



28.7815, 26.7507, 7.5552

Rectangle

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



15.8973, 26.7507, 20.8485



17.0065, 26.7507, 51.5623



38.1572, 26.7507, 39.3496



36.2462, 26.7507, 14.3769

Sweetspot

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



15.8980, 26.7517, 20.8491



44.2112, 55.5815, 58.0147



13.8556, 26.0630, 4.3009



9.3362, 12.0106, 12.4226



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.



15.8980, 26.7517, 20.8491



28.3824, 47.8730, 36.8733



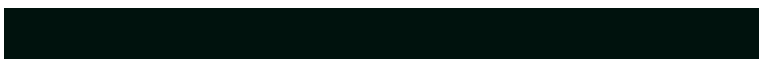
13.9100, 17.5265, 36.3692



7.1913, 7.9773, 8.6189



12.7144, 21.3721, 16.7442



0.2856, 0.4565, 0.4491

Inverse Universe

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



15.1727, 7.7673, 3.1841



27.0981, 13.8800, 5.3143



15.2966, 8.7735, 0.8877



7.1514, 7.1170, 7.7835



12.1327, 6.2091, 2.6232



0.2740, 0.1381, 0.1555

Previews

White Background



This preview shows how the XYZ color 15.8973, 26.7507, 20.8485 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 15.8973, 26.7507, 20.8485 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 15.8973, 26.7507, 20.8485

Background



This preview shows how black text looks on a background with the XYZ color 15.8973, 26.7507, 20.8485.



This preview shows how white text looks on a background with the XYZ color 15.8973, 26.7507,

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

15.8973, 26.7507, 20.8485

Protanopia

24.5573, 26.2808, 17.4141

Deuteranopia

26.8748, 26.3102, 22.0743



Tritanopia

19.9989, 26.6581, 40.6507

Trichromacy



Original Color

15.8973, 26.7507, 20.8485



Protanomaly

18.1237, 24.7385, 18.5716



Deuteranomaly

18.8429, 24.1274, 21.4332



Tritanomaly

18.0620, 26.5921, 32.1978

Monochromacy



Original Color

15.8973, 26.7507, 20.8485



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

12.9129, 17.5916, 17.7539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8973, 26.7507, 20.8485 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, 161, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 116)  
}
```

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, 161, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 116) }
```

Border

The CSS property to change the border of an element to XYZ 15.8973, 26.7507, 20.8485 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, 161, 116) }
```


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

```
.border{ border-color:rgb(0, 161, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8973, 26.7507, 20.8485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 116) }
```

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

```
.background{ background-color: rgb(0, 161,  
116) }
```

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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