

Converting Colors

XYZ(12.5936, 24.5705, 20.5342)

Have a look what the booklet for
XYZ(12.5936, 24.5705, 20.5342)
contains.

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Color

**XYZ(15.5505, 26.0572,
20.7329)**

Conversions

Conversions Part 1

Format	Color
Hex	009F74
RGB	0, 159, 116
RGB Percent	0%, 62%, 45%
CMY	0.9999, 0.3765, 0.5451
CMYK	1.00, 0.00, 0.27, 0.38
HSL	164°, 100%, 31%
HSV	164°, 100%, 62%
XYZ	15.5505, 26.0572, 20.7329
YIQ	106.5570, -80.9610, -47.0810

Conversions

Conversions Part 2

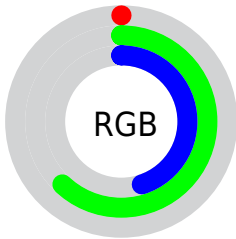
Format	Color
RYB	0, 92, 159
Decimal	40820
CIELab	58.09, -45.89, 12.68
CIELCh	58, 47.612, 164.552
Yxy	26.0572, 0.2494, 0.4180
Android (android.graphics.Color)	4278230900 (0xFF009F74)
YUV	106.5570, 4.6554, -93.4505
Hunter-Lab	51.0463, -34.9535, 11.6512

Details

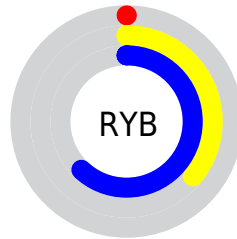
The XYZ color **15.5505, 26.0572, 20.7329** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.7350, 7.5460, 2.9668**, and the grayscale version is **13.8576, 14.5793, 15.8768**.

A 20% lighter version of the original color is **35.4881, 53.5519, 45.5119**, and **6.1974, 10.7254, 7.2124** is the 20% darker color. If you saturate the color by 10%, you get **15.5508, 26.0581, 20.7324**, and if you desaturate by 10%, it is **16.0193, 26.2700, 22.0918**.

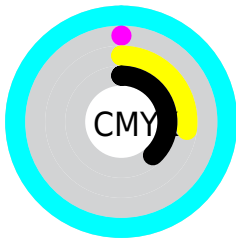
Distribution



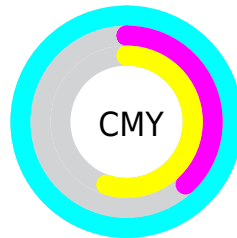
- Red (0%)
- Green (62%)
- Blue (45%)



- Red (0%)
- Yellow (36%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5505, 26.0572, 20.7329 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 15.5505, 26.0572, 20.7329 by changing the saturation by 10% instead.

■ 15.5505, 26.0572,
20.7329

■ 15.5505, 26.0572,
20.7329

219.9974,
283.0628, 268.5898

■ 9.2955, 16.8664,
12.7396

■ 35.3799, 53.3672,
45.5176

■ 4.9930, 10.1393,
7.1208

■ 49.6849, 72.2552,
63.1460

■ 2.2779, 5.4914,
3.4582

■ 67.4040, 95.1445,
84.8232

■ 0.7833, 2.5384,
1.3331

■ 88.9024, 122.4194,
110.9677

■ 0.0000, 0.8958,
0.0887

■ 114.5457,
154.4642, 141.9981

■ 0.0000, 0.0000,
0.0000

■ 144.6990,

191.6635, 178.3329

179.7278,
234.4015, 220.3906

■ 15.5505, 26.0572,
20.7329

■ 15.5505, 26.0572,
20.7329

■ 15.5508, 26.0581,
20.7324

■ 16.0193, 26.2700,
22.0918

■ 16.6648, 26.5718,
23.5196

■ 17.5600, 27.0010,
25.0212

■ 18.7356, 27.5733,
26.5987

■ 20.2176, 28.3022,
28.2541

■ 22.0289, 29.1994,
29.9892

■ 24.1903, 30.2757,
31.8057

■ 26.7208, 31.5408,
33.7052

■ 29.6380, 33.0038,
35.6892

Harmonies

Analogous

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



17.7799, 26.0572, 11.2378



15.5505, 26.0572, 20.7329



15.5176, 26.0572, 37.1125

Triad

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



15.5505, 26.0572, 20.7329



27.6553, 26.0572, 71.4876



33.5286, 26.0572, 11.4281

Complementary

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



15.5505, 26.0572, 20.7329



14.7350, 7.5460, 2.9668

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.



37.1099, 26.0572, 21.1242



15.5505, 26.0572, 20.7329



33.3789, 26.0572, 57.5148

Square

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



15.5505, 26.0572, 20.7329



21.9317, 26.0572, 71.2501



37.0512, 26.0572, 37.6886



27.8358, 26.0572, 7.4637

Rectangle

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



15.5505, 26.0572, 20.7329



16.7178, 26.0572, 50.4354



37.0512, 26.0572, 37.6886



35.0559, 26.0572, 13.9149

Sweetspot

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



15.5512, 26.0582, 20.7335



43.0794, 54.0986, 56.7668



13.4835, 25.3564, 4.1840



9.3516, 12.0167, 12.5036



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.



15.5512, 26.0582, 20.7335



27.7643, 46.6321, 36.6819



13.5358, 17.0581, 35.3812



6.7452, 7.4788, 8.0929



12.3002, 20.5880, 16.4696



0.2364, 0.3747, 0.3814

Inverse Universe

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



14.7350, 7.5460, 2.9668



26.3171, 13.4849, 4.9398



14.8839, 8.5418, 0.8646



6.7031, 6.6742, 7.2876



11.6531, 5.9658, 2.4242



0.2246, 0.1132, 0.1288

Previews

White Background



This preview shows how the XYZ color 15.5505, 26.0572, 20.7329 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 15.5505, 26.0572, 20.7329 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 15.5505, 26.0572, 20.7329

Background



This preview shows how black text looks on a background with the XYZ color 15.5505, 26.0572, 20.7329.



This preview shows how white text looks on a background with the XYZ color 15.5505, 26.0572,

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

15.5505, 26.0572, 20.7329

Protanopia

24.0469, 25.8017, 17.3485

Deuteranopia

26.1385, 25.7244, 22.0000



Tritanopia

19.5989, 26.2291, 39.6271

Trichromacy



Original Color

15.5505, 26.0572, 20.7329



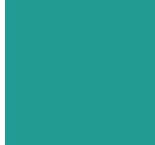
Protanomaly

17.7095, 24.0632, 18.4631



Deuteranomaly

18.5795, 23.7677, 21.3777



Tritanomaly

17.6150, 25.8726, 31.6693

Monochromacy



Original Color

15.5505, 26.0572, 20.7329



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.6592, 17.2764, 17.4193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5505, 26.0572, 20.7329 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, 159, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 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, 159, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 116) }
```

Border

The CSS property to change the border of an element to XYZ 15.5505, 26.0572, 20.7329 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, 159, 116) }
```


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

```
.border{ border-color:rgb(0, 159, 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, 159, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5505, 26.0572, 20.7329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 116) }
```

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

```
.background{ background-color: rgb(0, 159,  
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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