

Converting Colors

XYZ(5.3922, 20.7686, 20.8214)

Have a look what the booklet for
XYZ(5.3922, 20.7686, 20.8214)
contains.

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Color

**XYZ(15.6682, 26.1043,
21.3524)**

Conversions

Conversions Part 1

Format	Color
Hex	009F76
RGB	0, 159, 118
RGB Percent	0%, 62%, 46%
CMY	0.9999, 0.3765, 0.5372
CMYK	1.00, 0.00, 0.26, 0.38
HSL	165°, 100%, 31%
HSV	165°, 100%, 62%
XYZ	15.6682, 26.1043, 21.3524
YIQ	106.7850, -81.6030, -46.4590

Conversions

Conversions Part 2

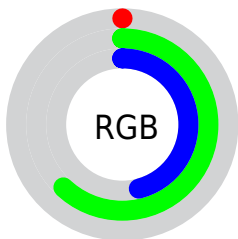
Format	Color
RYB	0, 91, 159
Decimal	40822
CIELab	58.14, -45.40, 11.62
CIELCh	58, 46.861, 165.637
Yxy	26.1043, 0.2482, 0.4135
Android (android.graphics.Color)	4278230902 (0xFF009F76)
YUV	106.7850, 5.5290, -93.6504
Hunter-Lab	51.0924, -34.6721, 10.9863

Details

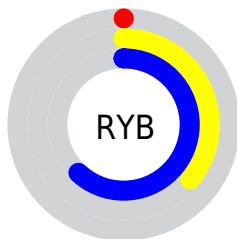
The XYZ color **15.6682, 26.1043, 21.3524** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.6993, 7.5318, 2.7786**, and the grayscale version is **13.9187, 14.6436, 15.9469**.

A 20% lighter version of the original color is **35.6760, 53.6270, 46.5009**, and **6.2595, 10.7503, 7.5394** is the 20% darker color. If you saturate the color by 10%, you get **15.6684, 26.1051, 21.3516**, and if you desaturate by 10%, it is **16.1300, 26.3143, 22.6746**.

Distribution



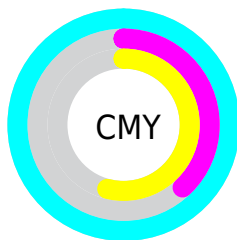
- Red (0%)
- Green (62%)
- Blue (46%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6682, 26.1043, 21.3524 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 15.6682, 26.1043, 21.3524 by changing the saturation by 10% instead.

■ 15.6682, 26.1043,
21.3524

■ 15.6682, 26.1043,
21.3524

220.6849,
283.2937, 271.9877

■ 9.3790, 16.9017,
13.1881

■ 35.5833, 53.4432,
46.5617

■ 5.0483, 10.1644,
7.4259

■ 49.9400, 72.3482,
64.4437

■ 2.3107, 5.5081,
3.6474

■ 67.7166, 95.2562,
86.4021

■ 0.8001, 2.5484,
1.4340

■ 89.2783, 122.5514,
112.8553

■ 0.0000, 0.9008,
0.1680

■ 114.9907,
154.6184, 144.2220

■ 0.0000, 0.0000,
0.0000

■ 145.2190,

191.8416, 180.9205

180.3286,
234.6052, 223.3696

■ 15.6682, 26.1043,
21.3524

■ 15.6682, 26.1043,
21.3524

■ 15.6684, 26.1051,
21.3516

■ 16.1300, 26.3143,
22.6746

■ 16.7676, 26.6129,
24.0604

■ 17.6539, 27.0386,
25.5145

■ 18.8195, 27.6069,
27.0390

■ 20.2904, 28.3314,
28.6357

■ 22.0896, 29.2238,
30.3065

■ 24.2378, 30.2948,
32.0527

■ 26.7539, 31.5541,
33.8761

■ 29.6556, 33.0109,
35.7779

Harmonies

Analogous

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



17.7972, 26.1043, 11.6897



15.6682, 26.1043, 21.3524



15.7145, 26.1043, 37.7094

Triad

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



15.6682, 26.1043, 21.3524



27.8714, 26.1043, 70.4056



33.2527, 26.1043, 11.4199

Complementary

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



15.6682, 26.1043, 21.3524



14.6993, 7.5318, 2.7786

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.



36.8770, 26.1043, 20.8022



15.6682, 26.1043, 21.3524



33.4618, 26.1043, 56.3623

Square

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



15.6682, 26.1043, 21.3524



22.2010, 26.1043, 70.7355



36.9589, 26.1043, 36.9043



27.6187, 26.1043, 7.6215

Rectangle

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



15.6682, 26.1043, 21.3524



16.9555, 26.1043, 50.8050



36.9589, 26.1043, 36.9043



34.7818, 26.1043, 13.8226

Sweetspot

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



15.6689, 26.1053, 21.3530



43.1647, 54.1327, 57.2159



13.3705, 25.2982, 4.1788



9.3730, 12.0253, 12.6163



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.



15.6689, 26.1053, 21.3530



27.9771, 46.7172, 37.8022



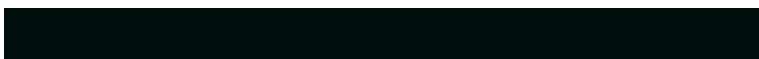
13.2065, 16.3994, 35.2714



6.7487, 7.4802, 8.1114



12.3926, 20.6250, 16.9562



0.2376, 0.3752, 0.3874

Inverse Universe

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



14.6993, 7.5318, 2.7786



26.2554, 13.4602, 4.6148



14.9638, 8.7015, 0.8914



6.6998, 6.6728, 7.2702



11.6243, 5.9543, 2.2727



0.2235, 0.1127, 0.1233

Previews

White Background



This preview shows how the XYZ color 15.6682, 26.1043, 21.3524 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 15.6682, 26.1043, 21.3524 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 15.6682, 26.1043, 21.3524

Background



This preview shows how black text looks on a background with the XYZ color 15.6682, 26.1043, 21.3524.



This preview shows how white text looks on a background with the XYZ color 15.6682, 26.1043,

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

15.6682, 26.1043, 21.3524

Protanopia

24.1521, 25.8438, 17.9028

Deuteranopia

26.2637, 25.7745, 22.6595



Tritanopia

19.5480, 26.2029, 39.6247

Trichromacy



Original Color

15.6682, 26.1043, 21.3524



Protanomaly

17.8196, 24.1073, 19.0432



Deuteranomaly

18.7021, 23.8168, 22.0237



Tritanomaly

17.6623, 25.8879, 32.0829

Monochromacy



Original Color

15.6682, 26.1043, 21.3524



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

12.7140, 17.2983, 17.7077

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6682, 26.1043, 21.3524 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 118) }
```

Border

The CSS property to change the border of an element to XYZ 15.6682, 26.1043, 21.3524 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, 118) }
```


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

```
.border{ border-color:rgb(0, 159, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6682, 26.1043, 21.3524 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, 118) }
```

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

```
.background{ background-color: rgb(0, 159,  
118) }
```

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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