

Converting Colors

XYZ(11.4970, 23.4630, 21.0175)

Have a look what the booklet for
XYZ(11.4970, 23.4630, 21.0175)
contains.

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Color

**XYZ(15.3270, 25.4219,
21.2387)**

Conversions

Conversions Part 1

Format	Color
Hex	009D76
RGB	0, 157, 118
RGB Percent	0%, 62%, 46%
CMY	0.9999, 0.3843, 0.5372
CMYK	1.00, 0.00, 0.25, 0.38
HSL	165°, 100%, 31%
HSV	165°, 100%, 62%
XYZ	15.3270, 25.4219, 21.2387
YIQ	105.6110, -81.0530, -45.4130

Conversions

Conversions Part 2

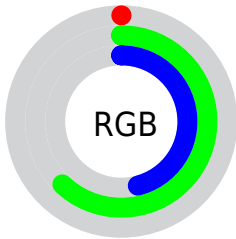
Format	Color
RYB	0, 90, 157
Decimal	40310
CIELab	57.48, -44.59, 10.71
CIELCh	57, 45.859, 166.498
Yxy	25.4219, 0.2473, 0.4101
Android (android.graphics.Color)	4278230390 (0xFF009D76)
YUV	105.6110, 6.1078, -92.6208
Hunter-Lab	50.4201, -33.9738, 10.3191

Details

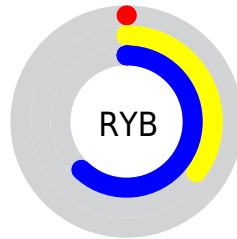
The XYZ color **15.3270, 25.4219, 21.2387** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.2718, 7.3153, 2.5808**, and the grayscale version is **13.5946, 14.3026, 15.5756**.

A 20% lighter version of the original color is **35.0745, 52.5655, 46.3277**, and **6.0558, 10.3428, 7.4715** is the 20% darker color. If you saturate the color by 10%, you get **15.3272, 25.4227, 21.2380**, and if you desaturate by 10%, it is **15.7730, 25.6251, 22.4954**.

Distribution



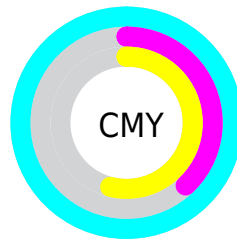
- Red (0%)
- Green (62%)
- Blue (46%)



- Red (0%)
- Yellow (35%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (25%)
- Black (38%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3270, 25.4219, 21.2387 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 15.3270, 25.4219, 21.2387 by changing the saturation by 10% instead.


 15.3270, 25.4219,
21.2387


 15.3270, 25.4219,
21.2387


218.6864,
279.9326, 271.3669


 9.1370, 16.3917,
13.1057


 34.9928, 52.3408,
46.3704


 4.8885, 9.8017,
7.3698


 49.1993, 70.9983,
64.2061


 2.2161, 5.2677,
3.6125

 66.8087, 93.6337,
86.1132

 0.7512, 2.4052,
1.4152

 88.1863, 120.6314,
112.5101

 0.0000, 0.8285,
0.1536

 113.6976,
152.3757, 143.8153

 0.0000, 0.0000,
0.0000

 143.7077,

189.2511, 180.4476

178.5822,
231.6419, 222.8252

■ 15.3270, 25.4219,
21.2387

■ 15.3270, 25.4219,
21.2387

■ 15.3272, 25.4227,
21.2380

■ 15.7730, 25.6251,
22.4954

■ 16.3883, 25.9138,
23.8101

■ 17.2445, 26.3256,
25.1872

■ 18.3711, 26.8757,
26.6288

■ 19.7935, 27.5771,
28.1366

■ 21.5338, 28.4411,
29.7122

■ 23.6121, 29.4783,
31.3570

■ 26.0467, 30.6979,
33.0724

■ 28.8548, 32.1089,
34.8598

Harmonies

Analogous

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



17.3216, 25.4219, 11.7166



15.3270, 25.4219, 21.2387



15.4321, 25.4219, 37.1232

Triad

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



15.3270, 25.4219, 21.2387



27.2674, 25.4219, 67.6590



32.1314, 25.4219, 11.1013

Complementary

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



15.3270, 25.4219, 21.2387



14.2718, 7.3153, 2.5808

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.



35.6874, 25.4219, 19.9918



15.3270, 25.4219, 21.2387



32.6028, 25.4219, 53.9545

Square

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



15.3270, 25.4219, 21.2387



21.7942, 25.4219, 68.3996



35.8719, 25.4219, 35.3077



26.6969, 25.4219, 7.5333

Rectangle

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



15.3270, 25.4219, 21.2387



16.6698, 25.4219, 49.6830



35.8719, 25.4219, 35.3077



33.6196, 25.4219, 13.3751

Sweetspot

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



15.3277, 25.4229, 21.2393



42.0491, 52.6728, 55.9786



12.9042, 24.5513, 4.0592



8.9203, 11.4243, 12.0624



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.



15.3277, 25.4229, 21.2393



27.3690, 45.4962, 37.6145



12.5360, 15.3340, 34.1984



6.7514, 7.4813, 8.1253



12.4634, 20.6533, 17.3289



0.2384, 0.3755, 0.3919

Inverse Universe

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



14.2718, 7.3153, 2.5808



25.4924, 13.0736, 4.2751



14.6394, 8.6368, 0.8960



6.6973, 6.6718, 7.2571



11.6036, 5.9460, 2.1636



0.2227, 0.1124, 0.1191

Previews

White Background



This preview shows how the XYZ color 15.3270, 25.4219, 21.2387 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 15.3270, 25.4219, 21.2387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

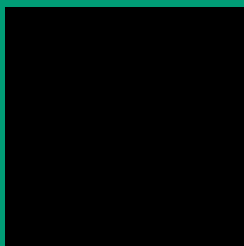
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.3270, 25.4219, 21.2387

Background



This preview shows how black text looks on a background with the XYZ color 15.3270, 25.4219, 21.2387.



This preview shows how white text looks on a background with the XYZ color 15.3270, 25.4219,

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

15.3270, 25.4219, 21.2387

Protanopia

23.5065, 25.0850, 17.7903

Deuteranopia

25.5367, 25.0005, 22.2185



Tritanopia

18.9929, 25.4557, 38.5627

Trichromacy



Original Color

15.3270, 25.4219, 21.2387



Protanomaly

17.4121, 23.4435, 18.9366



Deuteranomaly

18.1217, 23.0829, 21.5895



Tritanomaly

17.2534, 25.1961, 31.5578

Monochromacy



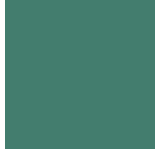
Original Color

15.3270, 25.4219, 21.2387



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

12.4628, 16.9863, 17.3737

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3270, 25.4219, 21.2387 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, 157, 118)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 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, 157, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 118) }
```

Border

The CSS property to change the border of an element to XYZ 15.3270, 25.4219, 21.2387 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, 157, 118) }
```


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

```
.border{ border-color:rgb(0, 157, 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, 157, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 118);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3270, 25.4219, 21.2387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 118) }
```

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

```
.background{ background-color: rgb(0, 157,  
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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