

Converting Colors

XYZ(8.7231, 21.2830, 21.8108)

Have a look what the booklet for
XYZ(8.7231, 21.2830, 21.8108)
contains.

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Color

**XYZ(15.0068, 24.4917,
22.0256)**

Conversions

Conversions Part 1

Format	Color
Hex	009A79
RGB	0, 154, 121
RGB Percent	0%, 60%, 47%
CMY	0.9999, 0.3961, 0.5255
CMYK	1.00, 0.00, 0.21, 0.40
HSL	167°, 100%, 30%
HSV	167°, 100%, 60%
XYZ	15.0068, 24.4917, 22.0256
YIQ	104.1920, -81.1910, -42.9110

Conversions

Conversions Part 2

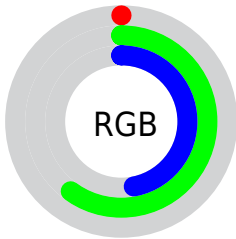
Format	Color
RYB	0, 86, 154
Decimal	39545
CIELab	56.58, -42.59, 7.73
CIELCh	57, 43.284, 169.716
Yxy	24.4917, 0.2439, 0.3981
Android (android.graphics.Color)	4278229625 (0xFF009A79)
YUV	104.1920, 8.2863, -91.3764
Hunter-Lab	49.4891, -32.4785, 8.2548

Details

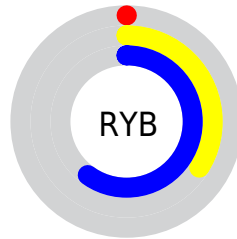
The XYZ color **15.0068, 24.4917, 22.0256** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.6018, 6.9805, 2.0704**, and the grayscale version is **13.2050, 13.8927, 15.1292**.

A 20% lighter version of the original color is **34.3678, 50.6928, 47.5085**, and **5.9211, 9.9706, 7.7433** is the 20% darker color. If you saturate the color by 10%, you get **15.0071, 24.4925, 22.0252**, and if you desaturate by 10%, it is **15.4171, 24.6800, 23.1202**.

Distribution



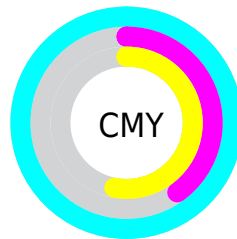
- Red (0%)
- Green (60%)
- Blue (47%)



- Red (0%)
- Yellow (34%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0068, 24.4917, 22.0256 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 15.0068, 24.4917, 22.0256 by changing the saturation by 10% instead.

■ 15.0068, 24.4917,
22.0256

■ 15.0068, 24.4917,
22.0256

■ 216.7949,
275.2970, 275.6378

■ 8.9105, 15.6988,
13.6772

■ 34.4367, 50.8314,
47.6910

■ 4.7395, 9.3112,
7.7603

■ 48.5009, 69.1470,
65.8452

■ 2.1284, 4.9447,
3.8564

■ 65.9519, 91.4055,
88.1050

■ 0.7046, 2.2149,
1.5469

■ 87.1550, 117.9915,
114.8890

■ 0.0000, 0.7281,
0.2525

■ 112.4755,
149.2892, 146.6157

■ 0.0000, 0.0000,
0.0000

■ 142.2787,

185.6831, 183.7037

176.9301,
227.5576, 226.5716

■ 15.0068, 24.4917,
22.0256

■ 15.0068, 24.4917,
22.0256

■ 15.0071, 24.4925,
22.0252

■ 15.4171, 24.6800,
23.1202

■ 15.9857, 24.9485,
24.2581

■ 16.7826, 25.3340,
25.4436

■ 17.8358, 25.8507,
26.6782

■ 19.1694, 26.5111,
27.9635

■ 20.8044, 27.3261,
29.3008

■ 22.7600, 28.3055,
30.6913

■ 25.0537, 29.4583,
32.1361

■ 27.7015, 30.7929,
33.6364

Harmonies

Analogous

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



16.6581, 24.4917, 12.4779



15.0068, 24.4917, 22.0256



15.3158, 24.4917, 37.1347

Triad

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



15.0068, 24.4917, 22.0256



26.6929, 24.4917, 62.1218



30.1019, 24.4917, 10.6374

Complementary

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



15.0068, 24.4917, 22.0256



13.6018, 6.9805, 2.0704

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.



33.6111, 24.4917, 18.3787



15.0068, 24.4917, 22.0256



31.4551, 24.4917, 48.8604

Square

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



15.0068, 24.4917, 22.0256



21.5958, 24.4917, 64.2144



34.1391, 24.4917, 31.9192



25.0467, 24.4917, 7.6546

Rectangle

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



15.0068, 24.4917, 22.0256



16.6089, 24.4917, 48.5462



34.1391, 24.4917, 31.9192



31.5305, 24.4917, 12.6051

Sweetspot

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



15.0075, 24.4927, 22.0262



41.1097, 51.2998, 55.5942



12.1955, 23.4417, 3.8823



8.9762, 11.4466, 12.3567



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.



15.0075, 24.4927, 22.0262



27.1872, 44.4616, 39.6221



11.4493, 13.5657, 32.5880



6.3279, 7.0039, 7.6500



12.2397, 19.9593, 18.0145



0.1956, 0.3035, 0.3359

Inverse Universe

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



13.6018, 6.9805, 2.0704



24.6478, 12.6557, 3.4458



14.2145, 8.6453, 0.9199



6.2603, 6.2433, 6.7508



11.0925, 5.6912, 1.7460



0.1773, 0.0897, 0.0864

Previews

White Background



This preview shows how the XYZ color 15.0068, 24.4917, 22.0256 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 15.0068, 24.4917, 22.0256 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 15.0068, 24.4917, 22.0256

Background



This preview shows how black text looks on a background with the XYZ color 15.0068, 24.4917, 22.0256.



This preview shows how white text looks on a background with the XYZ color 15.0068, 24.4917,

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

15.0068, 24.4917, 22.0256

Protanopia

22.8609, 24.3153, 18.5273

Deuteranopia

24.5110, 24.0509, 23.0891



Tritanopia

18.3528, 24.6724, 37.5132

Trichromacy



Original Color

15.0068, 24.4917, 22.0256



Protanomaly

17.0819, 22.8080, 19.7217



Deuteranomaly

17.6946, 22.4073, 22.4612



Tritanomaly

16.7903, 24.4846, 31.0352

Monochromacy



Original Color

15.0068, 24.4917, 22.0256



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

12.0208, 16.2031, 17.2458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0068, 24.4917, 22.0256 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, 154, 121)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 121)  
}
```

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, 154, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 121) }
```

Border

The CSS property to change the border of an element to XYZ 15.0068, 24.4917, 22.0256 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, 154, 121) }
```


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

```
.border{ border-color:rgb(0, 154, 121) }
```

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

Here you see how a box with a 4 pixel rgb(0, 154, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 121);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0068, 24.4917, 22.0256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 121) }
```

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

```
.background{ background-color: rgb(0, 154,  
121) }
```

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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