

Converting Colors

XYZ(12.0055, 22.8369, 21.5393)

Have a look what the booklet for
XYZ(12.0055, 22.8369, 21.5393)
contains.

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Color

**XYZ(14.9458, 24.4673,
21.7042)**

Conversions

Conversions Part 1

Format	Color
Hex	009A78
RGB	0, 154, 120
RGB Percent	0%, 60%, 47%
CMY	0.9999, 0.3961, 0.5294
CMYK	1.00, 0.00, 0.22, 0.40
HSL	167°, 100%, 30%
HSV	167°, 100%, 60%
XYZ	14.9458, 24.4673, 21.7042
YIQ	104.0780, -80.8700, -43.2220

Conversions

Conversions Part 2

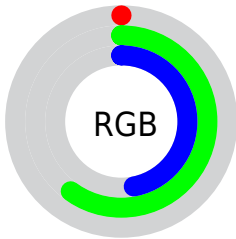
Format	Color
RYB	0, 87, 154
Decimal	39544
CIELab	56.55, -42.85, 8.26
CIELCh	57, 43.640, 169.090
Yxy	24.4673, 0.2445, 0.4003
Android (android.graphics.Color)	4278229624 (0xFF009A78)
YUV	104.0780, 7.8495, -91.2764
Hunter-Lab	49.4644, -32.6285, 8.6096

Details

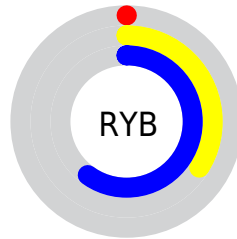
The XYZ color **14.9458, 24.4673, 21.7042** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.6161, 6.9862, 2.1456**, and the grayscale version is **13.1758, 13.8619, 15.0957**.

A 20% lighter version of the original color is **34.2714, 50.6542, 47.0007**, and **5.9211, 9.9706, 7.7433** is the 20% darker color. If you saturate the color by 10%, you get **14.9460, 24.4681, 21.7036**, and if you desaturate by 10%, it is **15.3602, 24.6573, 22.8208**.

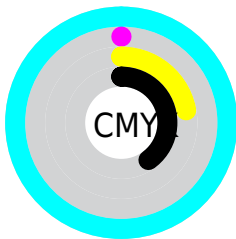
Distribution



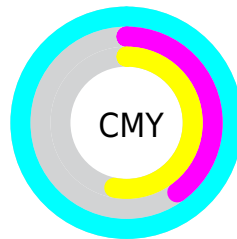
- Red (0%)
- Green (60%)
- Blue (47%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (40%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9458, 24.4673, 21.7042 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 14.9458, 24.4673, 21.7042 by changing the saturation by 10% instead.

■ 14.9458, 24.4673,
21.7042

■ 14.9458, 24.4673,
21.7042

216.4328,
275.1746, 273.9005

■ 8.8674, 15.6806,
13.4435

■ 34.3305, 50.7917,
47.1525

■ 4.7112, 9.2984,
7.6003

■ 48.3675, 69.0982,
65.1772

■ 2.1118, 4.9364,
3.7562

■ 65.7882, 91.3468,
87.2936

■ 0.6956, 2.2100,
1.4926

■ 86.9578, 117.9218,
113.9203

■ 0.0000, 0.7254,
0.2124

■ 112.2417,
149.2077, 145.4758

■ 0.0000, 0.0000,
0.0000

■ 142.0053,

185.5889, 182.3786

176.6138,
227.4497, 225.0474

■ 14.9458, 24.4673,
21.7042

■ 14.9458, 24.4673,
21.7042

■ 14.9460, 24.4681,
21.7036

■ 15.3602, 24.6573,
22.8208

■ 15.9335, 24.9277,
23.9829

■ 16.7355, 25.3151,
25.1948

■ 17.7942, 25.8340,
26.4581

■ 19.1337, 26.4968,
27.7743

■ 20.7751, 27.3144,
29.1448

■ 22.7375, 28.2965,
30.5708

■ 25.0383, 29.4522,
32.0535

■ 27.6939, 30.7899,
33.5940

Harmonies

Analogous

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



16.6465, 24.4673, 12.2352



14.9458, 24.4673, 21.7042



15.2151, 24.4673, 36.8396

Triad

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



14.9458, 24.4673, 21.7042



26.5870, 24.4673, 62.6312



30.2315, 24.4673, 10.6364

Complementary

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



14.9458, 24.4673, 21.7042



13.6161, 6.9862, 2.1456

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.



33.7224, 24.4673, 18.5227



14.9458, 24.4673, 21.7042



31.4163, 24.4673, 49.3896

Square

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



14.9458, 24.4673, 21.7042



21.4610, 24.4673, 64.4688



34.1849, 24.4673, 32.2742



25.1472, 24.4673, 7.5702

Rectangle

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



14.9458, 24.4673, 21.7042



16.4879, 24.4673, 48.3725



34.1849, 24.4673, 32.2742



31.6599, 24.4673, 12.6437

Sweetspot

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



14.9465, 24.4683, 21.7048



41.0672, 51.2828, 55.3707



12.2818, 23.4862, 3.8865



8.9655, 11.4424, 12.3003



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.



14.9465, 24.4683, 21.7048



27.0748, 44.4166, 39.0303



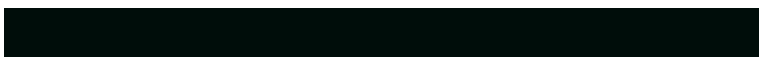
11.7316, 14.1301, 32.6820



6.3262, 7.0032, 7.6410



12.1902, 19.9395, 17.7538



0.1952, 0.3033, 0.3335

Inverse Universe

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



13.6161, 6.9862, 2.1456



24.6723, 12.6655, 3.5749



14.1227, 8.4617, 0.8894



6.2619, 6.2439, 6.7591



11.1043, 5.6960, 1.8083



0.1777, 0.0898, 0.0888

Previews

White Background



This preview shows how the XYZ color 14.9458, 24.4673, 21.7042 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 14.9458, 24.4673, 21.7042 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 14.9458, 24.4673, 21.7042

Background



This preview shows how black text looks on a background with the XYZ color 14.9458, 24.4673, 21.7042.



This preview shows how white text looks on a background with the XYZ color 14.9458, 24.4673,

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

14.9458, 24.4673, 21.7042

Protanopia

22.8061, 24.2934, 18.2389

Deuteranopia

24.6332, 24.1213, 22.7596



Tritanopia

18.3994, 24.6965, 37.5154

Trichromacy



Original Color

14.9458, 24.4673, 21.7042



Protanomaly

17.0246, 22.7851, 19.4202



Deuteranomaly

17.7375, 22.4367, 22.1347



Tritanomaly

16.8200, 24.4998, 31.0366

Monochromacy



Original Color

14.9458, 24.4673, 21.7042



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 14.9458, 24.4673, 21.7042 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 120) }
```

Border

The CSS property to change the border of an element to XYZ 14.9458, 24.4673, 21.7042 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, 120) }
```


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

```
.border{ border-color:rgb(0, 154, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9458, 24.4673, 21.7042 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, 120) }
```

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

```
.background{ background-color: rgb(0, 154,  
120) }
```

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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