

Converting Colors

XYZ(14.9285, 24.1974, 22.4242)

Have a look what the booklet for
XYZ(14.9285, 24.1974, 22.4242)
contains.

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Color

**XYZ(14.9041, 24.1876,
22.2955)**

Conversions

Conversions Part 1

Format	Color
Hex	00997A
RGB	0, 153, 122
RGB Percent	0%, 60%, 48%
CMY	0.9999, 0.4000, 0.5216
CMYK	1.00, 0.00, 0.20, 0.40
HSL	168°, 100%, 30%
HSV	168°, 100%, 60%
XYZ	14.9041, 24.1876, 22.2955
YIQ	103.7190, -81.2370, -42.0770

Conversions

Conversions Part 2

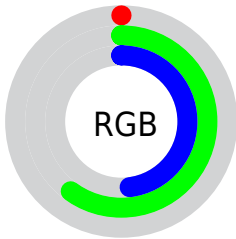
Format	Color
RYB	0, 85, 153
Decimal	39290
CIELab	56.28, -41.91, 6.73
CIELCh	56, 42.443, 170.877
Yxy	24.1876, 0.2428, 0.3940
Android (android.graphics.Color)	4278229370 (0xFF00997A)
YUV	103.7190, 9.0125, -90.9616
Hunter-Lab	49.1809, -31.9727, 7.5483

Details

The XYZ color **14.9041, 24.1876, 22.2955** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.3851, 6.8719, 1.9185**, and the grayscale version is **13.0769, 13.7579, 14.9824**.

A 20% lighter version of the original color is **34.1263, 50.1940, 47.9342**, and **5.8563, 9.7884, 7.8840** is the 20% darker color. If you saturate the color by 10%, you get **14.9043, 24.1883, 22.2949**, and if you desaturate by 10%, it is **15.3020, 24.3708, 23.3337**.

Distribution



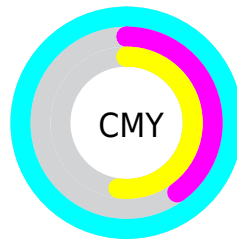
- Red (0%)
- Green (60%)
- Blue (48%)



- Red (0%)
- Yellow (33%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.9041, 24.1876, 22.2955 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 14.9041, 24.1876, 22.2955 by changing the saturation by 10% instead.


 14.9041, 24.1876,
22.2955


 14.9041, 24.1876,
22.2955


216.1849,
273.7676, 277.0893


 8.8380, 15.4728,
13.8738


 34.2579, 50.3362,
48.1423


 4.6919, 9.1519,
7.8952


 48.2763, 68.5388,
66.4046


 2.1005, 4.8404,
3.9411

 65.6761, 90.6728,
88.7841

 0.6895, 2.1539,
1.5931

 86.8228, 117.1225,
115.6993

 0.0000, 0.6947,
0.2859

 112.0817,
148.2725, 147.5690

 0.0000, 0.0000,
0.0000

 141.8181,

184.5071, 184.8115

176.3974,
226.2106, 227.8454

■ 14.9041, 24.1876,
22.2955

■ 14.9041, 24.1876,
22.2955

■ 14.9043, 24.1883,
22.2949

■ 15.3020, 24.3708,
23.3337

■ 15.8549, 24.6325,
24.4108

■ 16.6319, 25.0091,
25.5311

■ 17.6608, 25.5148,
26.6960

■ 18.9650, 26.1617,
27.9069

■ 20.5654, 26.9605,
29.1651

■ 22.4808, 27.9210,
30.4717

■ 24.7283, 29.0519,
31.8278

■ 27.3238, 30.3616,
33.2345

Harmonies

Analogous

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



16.4433, 24.1876, 12.7438



14.9041, 24.1876, 22.2955



15.2803, 24.1876, 37.1370

Triad

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



14.9041, 24.1876, 22.2955



26.5033, 24.1876, 60.3308



29.4430, 24.1876, 10.4898

Complementary

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



14.9041, 24.1876, 22.2955



13.3851, 6.8719, 1.9185

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.



32.9341, 24.1876, 17.8633



14.9041, 24.1876, 22.2955



31.0768, 24.1876, 47.2274

Square

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



14.9041, 24.1876, 22.2955



21.5316, 24.1876, 62.8433



33.5711, 24.1876, 30.8378



24.5119, 24.1876, 7.6998

Rectangle

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



14.9041, 24.1876, 22.2955



16.5915, 24.1876, 48.1645



33.5711, 24.1876, 30.8378



30.8514, 24.1876, 12.3589

Sweetspot

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



14.9048, 24.1885, 22.2961



40.0355, 49.8893, 54.4258



12.0242, 23.1093, 3.8273



8.5364, 10.8635, 11.8169



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



14.9048, 24.1885, 22.2961



26.6233, 43.2900, 39.5694



11.2891, 13.3780, 32.1252



6.3309, 7.0051, 7.6660



12.3298, 19.9954, 18.4892



0.1964, 0.3038, 0.3402

Inverse Universe

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



13.3851, 6.8719, 1.9185



23.9149, 12.2837, 3.1454



14.0145, 8.5268, 0.9077



6.2575, 6.2421, 6.7359



11.0721, 5.6831, 1.6385



0.1765, 0.0893, 0.0821

Previews

White Background



This preview shows how the XYZ color 14.9041, 24.1876, 22.2955 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 14.9041, 24.1876, 22.2955 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 14.9041, 24.1876, 22.2955

Background



This preview shows how black text looks on a background with the XYZ color 14.9041, 24.1876, 22.2955.



This preview shows how white text looks on a background with the XYZ color 14.9041, 24.1876,

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

14.9041, 24.1876, 22.2955

Protanopia

22.6051, 23.9708, 18.7647

Deuteranopia

24.3911, 23.9816, 23.4220



Tritanopia

18.0618, 24.2987, 36.9959

Trichromacy



Original Color

14.9041, 24.1876, 22.2955



Protanomaly

16.8937, 22.4844, 19.9725



Deuteranomaly

17.5095, 22.0905, 22.7431



Tritanomaly

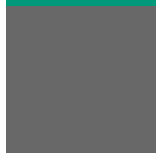
16.6013, 24.1492, 30.9804

Monochromacy



Original Color

14.9041, 24.1876, 22.2955



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

12.0755, 16.2250, 17.5342

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9041, 24.1876, 22.2955 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, 153, 122)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 122)  
}
```

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, 153, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 122) }
```

Border

The CSS property to change the border of an element to XYZ 14.9041, 24.1876, 22.2955 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, 153, 122) }
```


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

```
.border{ border-color:rgb(0, 153, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 122);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9041, 24.1876, 22.2955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 122) }
```

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

```
.background{ background-color: rgb(0, 153,  
122) }
```

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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