

Converting Colors

XYZ(14.1983, 21.8805, 24.8213)

Have a look what the booklet for
XYZ(14.1983, 21.8805, 24.8213)
contains.

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Color

**XYZ(14.2221, 21.8895,
24.9482)**

Conversions

Conversions Part 1

Format	Color
Hex	009183
RGB	0, 145, 131
RGB Percent	0%, 57%, 51%
CMY	0.9999, 0.4314, 0.4863
CMYK	1.00, 0.00, 0.10, 0.43
HSL	174°, 100%, 28%
HSV	174°, 100%, 57%
XYZ	14.2221, 21.8895, 24.9482
YIQ	100.0490, -81.9260, -35.0940

Conversions

Conversions Part 2

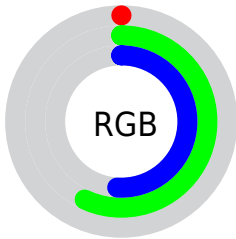
Format	Color
RYB	0, 76, 145
Decimal	37251
CIELab	53.91, -35.89, -1.85
CIELCh	54, 35.935, 182.951
Yxy	21.8895, 0.2329, 0.3585
Android (android.graphics.Color)	4278227331 (0xFF009183)
YUV	100.0490, 15.2588, -87.7430
Hunter-Lab	46.7862, -27.6153, 1.1347

Details

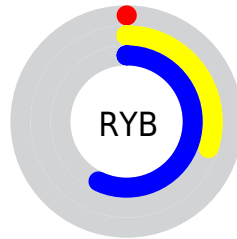
The XYZ color **14.2221, 21.8895, 24.9482** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.7570, 6.0520, 0.9645**, and the grayscale version is **12.1042, 12.7346, 13.8679**.

A 20% lighter version of the original color is **33.1438, 46.7477, 52.6237**, and **5.5257, 8.6146, 9.3542** is the 20% darker color. If you saturate the color by 10%, you get **14.2225, 21.8902, 24.9482**, and if you desaturate by 10%, it is **14.5073, 22.0260, 25.4609**.

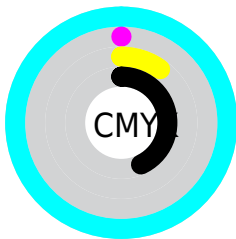
Distribution



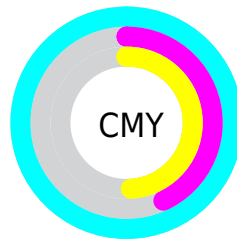
- Red (0%)
- Green (57%)
- Blue (51%)



- Red (0%)
- Yellow (30%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (43%)



- Cyan (100%)
- Magenta (43%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2221, 21.8895, 24.9482 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 14.2221, 21.8895, 24.9482 by changing the saturation by 10% instead.

■ 14.2221, 21.8895,
24.9482

■ 14.2221, 21.8895,
24.9482

■ 212.0912,
261.9687, 291.0193

■ 8.3580, 13.7757,
15.8198

■ 33.0656, 46.5633,
52.5363

■ 4.3786, 7.9648,
9.2438

■ 46.7757, 63.8921,
71.8330

■ 1.9185, 4.0725,
4.8015

■ 63.8319, 85.0614,
95.3562

■ 0.5875, 1.7142,
2.0746

■ 84.5995, 110.4555,
123.5246

■ 0.0000, 0.4328,
0.6006

■ 109.4439,
140.4590, 156.7565

■ 0.0000, 0.0000,
0.0000

■ 138.7304,

175.4560, 195.4706

172.8244,
215.8311, 240.0853

■ 14.2221, 21.8895,
24.9482

■ 14.2221, 21.8895,
24.9482

■ 14.2225, 21.8902,
24.9482

■ 14.5073, 22.0260,
25.4609

■ 14.9221, 22.2286,
25.9858

■ 15.5311, 22.5313,
26.5266

■ 16.3584, 22.9463,
27.0844

■ 17.4244, 23.4842,
27.6602

■ 18.7474, 24.1544,
28.2548

■ 20.3436, 24.9653,
28.8690

■ 22.2281, 25.9247,
29.5037

■ 24.4148, 27.0398,
30.1593

Harmonies

Analogous

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



14.8554, 21.8895, 15.3949



14.2221, 21.8895, 24.9482



15.1636, 21.8895, 37.4103

Triad

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



14.2221, 21.8895, 24.9482



25.1221, 21.8895, 46.5698



24.3770, 21.8895, 9.4436

Complementary

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



14.2221, 21.8895, 24.9482



11.7570, 6.0520, 0.9645

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.



27.6971, 21.8895, 14.0179



14.2221, 21.8895, 24.9482



28.1633, 21.8895, 34.9015

Square

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



14.2221, 21.8895, 24.9482



21.1908, 21.8895, 52.0898



29.1590, 21.8895, 22.7534



20.4245, 21.8895, 8.2547

Rectangle

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



14.2221, 21.8895, 24.9482



16.6353, 21.8895, 45.2165



29.1590, 21.8895, 22.7534



25.6198, 21.8895, 10.5478

Sweetspot

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



14.2227, 21.8903, 24.9487



36.2345, 44.6077, 51.6275



10.3150, 20.3491, 3.3845



7.8120, 9.7970, 11.3926



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



14.2227, 21.8903, 24.9487



25.4341, 39.1866, 44.4907



8.5200, 8.8620, 28.0505



5.5381, 6.1075, 6.7996



12.2039, 18.7774, 21.4256



0.1209, 0.1812, 0.2271

Inverse Universe

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



11.7570, 6.0520, 0.9645



21.0229, 10.8249, 1.5632



13.1911, 9.0470, 1.0514



5.4287, 5.4320, 5.7557



10.0888, 5.1925, 0.8530



0.0998, 0.0510, 0.0258

Previews

White Background



This preview shows how the XYZ color 14.2221, 21.8895, 24.9482 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 14.2221, 21.8895, 24.9482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

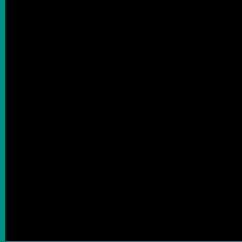
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.2221, 21.8895, 24.9482

Background



This preview shows how black text looks on a background with the XYZ color 14.2221, 21.8895, 24.9482.

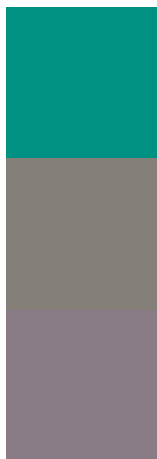


This preview shows how white text looks on a background with the XYZ color 14.2221, 21.8895,

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

14.2221, 21.8895, 24.9482

Protanopia

20.6861, 21.7244, 21.1921

Deuteranopia

21.8974, 21.4829, 25.9142



Tritanopia

16.1857, 22.0392, 33.5379

Trichromacy



Original Color

14.2221, 21.8895, 24.9482

Protanomaly

15.8829, 20.4157, 22.5055

Deuteranomaly

16.4848, 20.2500, 25.5941

Tritanomaly

15.3100, 21.8834, 30.2051

Monochromacy



Original Color

14.2221, 21.8895, 24.9482

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.2290, 14.7285, 17.2900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2221, 21.8895, 24.9482 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, 145, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 145, 131)  
}
```

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, 145, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 131) }
```

Border

The CSS property to change the border of an element to XYZ 14.2221, 21.8895, 24.9482 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, 145, 131) }
```


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

```
.border{ border-color:rgb(0, 145, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 145, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2221, 21.8895, 24.9482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 131) }
```

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

```
.background{ background-color: rgb(0, 145,  
131) }
```

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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