

Converting Colors

XYZ(14.5677, 24.0531, 20.5242)

Have a look what the booklet for
XYZ(14.5677, 24.0531, 20.5242)
contains.

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Color

**XYZ(14.5436, 24.0434,
20.3973)**

Conversions

Conversions Part 1

Format	Color
Hex	009974
RGB	0, 153, 116
RGB Percent	0%, 60%, 45%
CMY	1.0000, 0.4000, 0.5451
CMYK	1.00, 0.00, 0.24, 0.40
HSL	165°, 100%, 30%
HSV	165°, 100%, 60%
XYZ	14.5436, 24.0434, 20.3973
YIQ	103.0350, -79.3110, -43.9430

Conversions

Conversions Part 2

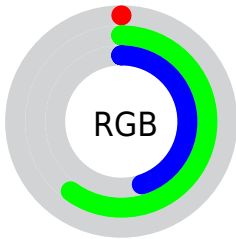
Format	Color
RYB	0, 87, 153
Decimal	39284
CIELab	56.13, -43.48, 9.93
CIELCh	56, 44.597, 167.139
Yxy	24.0434, 0.2466, 0.4076
Android (android.graphics.Color)	4278229364 (0xFF009974)
YUV	103.0350, 6.3917, -90.3617
Hunter-Lab	49.0341, -32.8662, 9.6603

Details

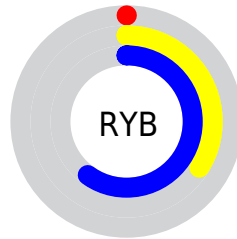
The XYZ color **14.5436, 24.0434, 20.3973** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.4716, 6.9065, 2.3744**, and the grayscale version is **12.9013, 13.5732, 14.7812**.

A 20% lighter version of the original color is **33.5542, 49.9651, 44.9215**, and **5.6971, 9.7247, 7.0456** is the 20% darker color. If you saturate the color by 10%, you get **14.5439, 24.0442, 20.3969**, and if you desaturate by 10%, it is **14.9659, 24.2363, 21.5638**.

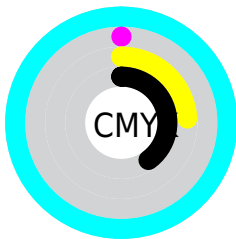
Distribution



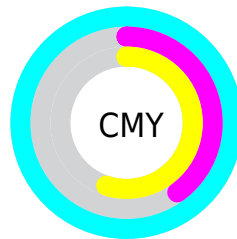
- Red (0%)
- Green (60%)
- Blue (45%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (24%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.5436, 24.0434, 20.3973 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 14.5436, 24.0434, 20.3973 by changing the saturation by 10% instead.


 14.5436, 24.0434,
20.3973


 14.5436, 24.0434,
20.3973


214.0305,
273.0398, 266.7329


 8.5839, 15.3658,
12.4972


 33.6288, 50.1010,
44.9500


 4.5257, 9.0765,
6.9566


 47.4850, 68.2498,
62.4397


 2.0036, 4.7911,
3.3570

 64.7041, 90.3245,
83.9630

 0.6360, 2.1252,
1.2797

 85.6515, 116.7095,
109.9385

 0.0000, 0.6788,
0.0450

 110.6924,
147.7891, 140.7847

 0.0000, 0.0000,
0.0000

 140.1923,

183.9478, 176.9201

174.5166,
225.5699, 218.7634

■ 14.5436, 24.0434,
20.3973

■ 14.5436, 24.0434,
20.3973

■ 14.5439, 24.0442,
20.3969

■ 14.9659, 24.2363,
21.5638

■ 15.5455, 24.5088,
22.7825

■ 16.3519, 24.8971,
24.0575

■ 17.4127, 25.4155,
25.3907

■ 18.7514, 26.0762,
26.7837

■ 20.3889, 26.8899,
28.2379

■ 22.3441, 27.8663,
29.7546

■ 24.6341, 29.0142,
31.3351

■ 27.2750, 30.3419,
32.9807

Harmonies

Analogous

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



16.3756, 24.0434, 11.3148



14.5436, 24.0434, 20.3973



14.6846, 24.0434, 35.3864

Triad

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



14.5436, 24.0434, 20.3973



25.8746, 24.0434, 63.3676



30.2157, 24.0434, 10.4862

Complementary

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



14.5436, 24.0434, 20.3973



13.4716, 6.9065, 2.3744

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.



33.5966, 24.0434, 18.7260



14.5436, 24.0434, 20.3973



30.8452, 24.0434, 50.3896

Square

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



14.5436, 24.0434, 20.3973



20.7327, 24.0434, 64.3534



33.8428, 24.0434, 32.9618



25.1121, 24.0434, 7.2027

Rectangle

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



14.5436, 24.0434, 20.3973



15.8755, 24.0434, 47.1296



33.8428, 24.0434, 32.9618



31.6224, 24.0434, 12.5913

Sweetspot

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



14.5443, 24.0443, 20.3979



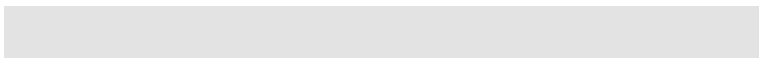
39.7873, 49.7900, 53.1188



12.2007, 23.2003, 3.8354



8.4755, 10.8391, 11.4958



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.



14.5443, 24.0443, 20.3979



25.9697, 43.0286, 36.1277



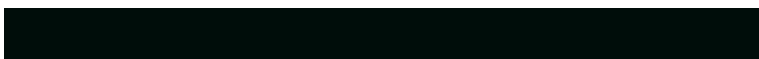
11.8530, 14.5057, 32.3132



6.3207, 7.0010, 7.6121



12.0334, 19.8768, 16.9282



0.1937, 0.3027, 0.3258

Inverse Universe

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



13.4716, 6.9065, 2.3744



24.0623, 12.3427, 3.9218



13.8389, 8.1755, 0.8490



6.2670, 6.2460, 6.7862



11.1450, 5.7122, 2.0225



0.1792, 0.0904, 0.0966

Previews

White Background



This preview shows how the XYZ color 14.5436, 24.0434, 20.3973 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 14.5436, 24.0434, 20.3973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

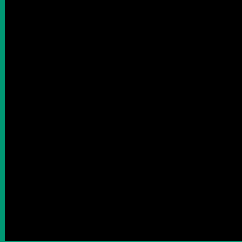
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.5436, 24.0434, 20.3973

Background



This preview shows how black text looks on a background with the XYZ color 14.5436, 24.0434, 20.3973.



This preview shows how white text looks on a background with the XYZ color 14.5436, 24.0434,

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

14.5436, 24.0434, 20.3973

Protanopia

22.3343, 23.8625, 17.3387

Deuteranopia

24.0639, 23.6603, 21.3877



Tritanopia

17.9583, 24.0236, 36.4914

Trichromacy



Original Color

14.5436, 24.0434, 20.3973



Protanomaly

16.5558, 22.3492, 18.1931



Deuteranomaly

17.2421, 21.9957, 20.7896



Tritanomaly

16.2704, 23.7694, 29.7170

Monochromacy



Original Color

14.5436, 24.0434, 20.3973



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.7909, 15.9157, 16.6379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5436, 24.0434, 20.3973 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 116) }
```

Border

The CSS property to change the border of an element to XYZ 14.5436, 24.0434, 20.3973 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, 116) }
```


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

```
.border{ border-color:rgb(0, 153, 116) }
```

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, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 116);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5436, 24.0434, 20.3973 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, 116) }
```

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

```
.background{ background-color: rgb(0, 153,  
116) }
```

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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