

Converting Colors

XYZ(14.2096, 24.6417, 16.3825)

Have a look what the booklet for
XYZ(14.2096, 24.6417, 16.3825)
contains.

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Color

**XYZ(14.2374, 24.7165,
16.3323)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 009C65 |
| RGB | 0, 156, 101 |
| RGB Percent | 0%, 61%, 40% |
| CMY | 1.0000, 0.3882, 0.6039 |
| CMYK | 1.00, 0.00, 0.35, 0.39 |
| HSL | 159°, 100%, 31% |
| HSV | 159°, 100%, 61% |
| XYZ | 14.2374, 24.7165, 16.3323 |
| YIQ | 103.0860, -75.3210, -50.1770 |

Conversions

Conversions Part 2

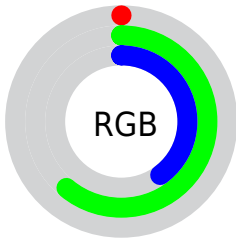
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 95, 156 |
| Decimal | 40037 |
| CIELab | 56.80, -48.24, 19.25 |
| CIELCh | 57, 51.941, 158.248 |
| Yxy | 24.7165, 0.2575, 0.4471 |
| Android (android.graphics.Color) | 4278230117 (0xFF009C65) |
| YUV | 103.0860, -1.0284, -90.4064 |
| Hunter-Lab | 49.7157, -35.8843, 15.3234 |

Details

The XYZ color **14.2374, 24.7165, 16.3323** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.4007, 7.3443, 4.2741**, and the grayscale version is **12.9327, 13.6062, 14.8172**.

A 20% lighter version of the original color is **33.1415, 51.3802, 37.8764**, and **5.5161, 9.9668, 5.1231** is the 20% darker color. If you saturate the color by 10%, you get **14.2378, 24.7174, 16.3322**, and if you desaturate by 10%, it is **14.7237, 24.9356, 17.8100**.

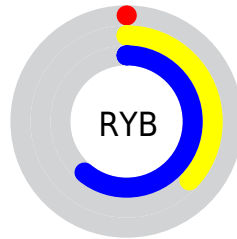
Distribution



Red (0%)

Green (61%)

Blue (40%)



Red (0%)

Yellow (37%)

Blue (61%)

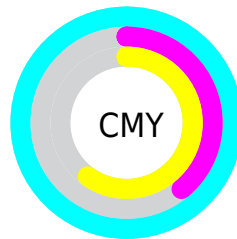


Cyan (100%)

Magenta (0%)

Yellow (35%)

Black (39%)



Cyan (100%)

Magenta (39%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2374, 24.7165, 16.3323 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 14.2374, 24.7165, 16.3323 by changing the saturation by 10% instead.

■ 14.2374, 24.7165,
16.3323

■ 14.2374, 24.7165,
16.3323

212.1839,
276.4231, 243.2069

■ 8.3688, 15.8660,
9.6027

■ 33.0924, 51.1969,
37.9489

■ 4.3856, 9.4294,
5.0342

■ 46.8095, 69.5956,
53.6730

■ 1.9225, 5.0223,
2.2083

■ 63.8735, 91.9458,
73.2324

■ 0.5899, 2.2603,
0.6791

■ 84.6497, 118.6319,
97.0456

■ 0.0000, 0.7526,
0.0000

■ 109.5035,
150.0383, 125.5311

■ 0.0000, 0.0000,
0.0000

■ 138.8002,

186.5493, 159.1074

172.9053,
228.5495, 198.1932

■ 14.2374, 24.7165,
16.3323

■ 14.2374, 24.7165,
16.3323

■ 14.2378, 24.7174,
16.3322

■ 14.7237, 24.9356,
17.8100

■ 15.3850, 25.2423,
19.3913

■ 16.2929, 25.6738,
21.0818

■ 17.4766, 26.2453,
22.8847

■ 18.9610, 26.9697,
24.8026

■ 20.7684, 27.8582,
26.8382

■ 22.9185, 28.9212,
28.9941

■ 25.4298, 30.1680,
31.2726

■ 28.3191, 31.6073,
33.6760

Harmonies

Analogous

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



16.9850, 24.7165, 8.2770



14.2374, 24.7165, 16.3323



13.7350, 24.7165, 31.9955

Triad

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



14.2374, 24.7165, 16.3323



25.2060, 24.7165, 75.3673



33.8966, 24.7165, 11.0749

Complementary

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



14.2374, 24.7165, 16.3323



14.4007, 7.3443, 4.2741

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.



37.0323, 24.7165, 22.3978



14.2374, 24.7165, 16.3323



31.4798, 24.7165, 62.6017

Square

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



14.2374, 24.7165, 16.3323



19.4288, 24.7165, 71.3993



36.0789, 24.7165, 41.2894



28.0862, 24.7165, 6.2795

Rectangle

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



14.2374, 24.7165, 16.3323



14.6413, 24.7165, 46.0245



36.0789, 24.7165, 41.2894



35.3403, 24.7165, 13.9940

Sweetspot

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



14.2380, 24.7175, 16.3329



41.3732, 52.4024, 52.4191



13.5880, 24.6537, 4.0427



8.7553, 11.3583, 11.1938



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.



14.2380, 24.7175, 16.3329



25.7627, 44.8537, 29.1559



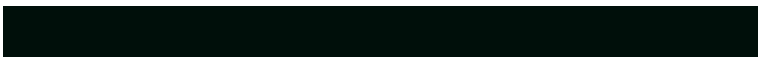
14.6934, 19.7852, 34.4981



6.7224, 7.4697, 7.9730



11.7440, 20.3655, 13.5409



0.2294, 0.3719, 0.3441

Inverse Universe

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



14.4007, 7.3443, 4.2741



26.0691, 13.3043, 7.3123



13.9755, 7.5975, 0.7301



6.7248, 6.6829, 7.4021



11.8764, 6.0551, 3.6000



0.2315, 0.1159, 0.1651

Previews

White Background



This preview shows how the XYZ color 14.2374, 24.7165, 16.3323 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 14.2374, 24.7165, 16.3323 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 14.2374, 24.7165, 16.3323

Background



This preview shows how black text looks on a background with the XYZ color 14.2374, 24.7165, 16.3323.



This preview shows how white text looks on a background with the XYZ color 14.2374, 24.7165,

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

14.2374, 24.7165, 16.3323

Protanopia

22.6284, 24.3037, 13.6237

Deuteranopia

24.7370, 24.2959, 17.2957



Tritanopia

18.7560, 24.8803, 37.5321

Trichromacy



Original Color

14.2374, 24.7165, 16.3323



Protanomaly

16.5041, 22.8508, 14.3673



Deuteranomaly

17.1492, 22.2519, 16.7558



Tritanomaly

16.5816, 24.6779, 28.3155

Monochromacy



Original Color

14.2374, 24.7165, 16.3323



Achromatopsia

12.8919, 13.5633, 14.7705



Achromatomaly

11.6046, 16.0366, 15.0541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2374, 24.7165, 16.3323 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, 156, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 101)  
}
```

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, 156, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 101) }
```

Border

The CSS property to change the border of an element to XYZ 14.2374, 24.7165, 16.3323 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, 156, 101) }
```


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

```
.border{ border-color:rgb(0, 156, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 156, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 156,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2374, 24.7165, 16.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 101) }
```

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

```
.background{ background-color: rgb(0, 156,  
101) }
```

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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