

Converting Colors

XYZ(7.8598, 22.1930, 16.1316)

Have a look what the booklet for
XYZ(7.8598, 22.1930, 16.1316)
contains.

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Color

**XYZ(14.7471, 25.7359,
16.5022)**

Conversions

Conversions Part 1

Format	Color
Hex	009F65
RGB	0, 159, 101
RGB Percent	0%, 62%, 40%
CMY	1.0000, 0.3765, 0.6039
CMYK	1.00, 0.00, 0.36, 0.38
HSL	158°, 100%, 31%
HSV	158°, 100%, 62%
XYZ	14.7471, 25.7359, 16.5022
YIQ	104.8470, -76.1460, -51.7460

Conversions

Conversions Part 2

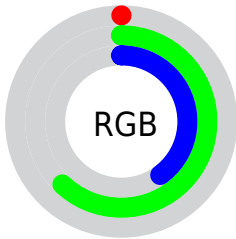
Format	Color
RYB	0, 97, 159
Decimal	40805
CIELab	57.79, -49.37, 20.58
CIELCh	58, 53.486, 157.366
Yxy	25.7359, 0.2588, 0.4516
Android (android.graphics.Color)	4278230885 (0xFF009F65)
YUV	104.8470, -1.8966, -91.9508
Hunter-Lab	50.7306, -36.8895, 16.2249

Details

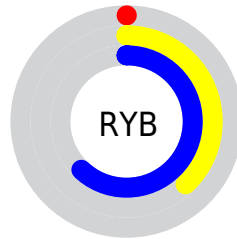
The XYZ color **14.7471, 25.7359, 16.5022** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **15.0627, 7.6770, 4.6921**, and the grayscale version is **13.4065, 14.1047, 15.3601**.

A 20% lighter version of the original color is **33.9924, 52.9426, 38.1331**, and **5.8199, 10.5744, 5.2244** is the 20% darker color. If you saturate the color by 10%, you get **14.7475, 25.7368, 16.5021**, and if you desaturate by 10%, it is **15.2542, 25.9640, 18.0630**.

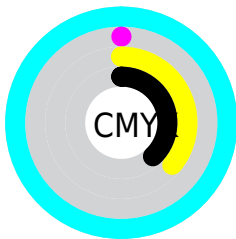
Distribution



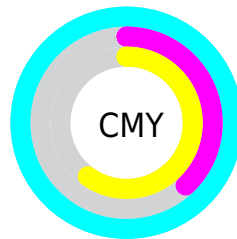
- Red (0%)
- Green (62%)
- Blue (40%)



- Red (0%)
- Yellow (38%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7471, 25.7359, 16.5022 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 14.7471, 25.7359, 16.5022 by changing the saturation by 10% instead.

■ 14.7471, 25.7359,
16.5022

■ 14.7471, 25.7359,
16.5022

215.2492,
281.4832, 244.2332

■ 8.7272, 16.6262,
9.7220

■ 33.9842, 52.8486,
38.2467

■ 4.6194, 9.9683,
5.1119

■ 47.9322, 71.6203,
54.0482

■ 2.0582, 5.3780,
2.2532

■ 65.2536, 94.3815,
73.6938

■ 0.6663, 2.4707,
0.7048

■ 86.3137, 121.5166,
97.6021

■ 0.0000, 0.8619,
0.0000

■ 111.4780,
153.4099, 126.1916

■ 0.0000, 0.0000,
0.0000

■ 141.1118,

190.4458, 159.8810

175.5804,
233.0088, 199.0886

■ 14.7471, 25.7359,
16.5022

■ 14.7471, 25.7359,
16.5022

■ 14.7475, 25.7368,
16.5021

■ 15.2542, 25.9640,
18.0630

■ 15.9466, 26.2846,
19.7387

■ 16.8979, 26.7362,
21.5353

■ 18.1386, 27.3346,
23.4563

■ 19.6951, 28.0932,
25.5049

■ 21.5906, 29.0241,
27.6839

■ 23.8460, 30.1380,
29.9962

■ 26.4806, 31.4447,
32.4444

■ 29.5121, 32.9534,
35.0311

Harmonies

Analogous

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



17.7097, 25.7359, 8.2724



14.7471, 25.7359, 16.5022



14.1497, 25.7359, 32.8021

Triad

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



14.7471, 25.7359, 16.5022



26.0778, 25.7359, 79.7216



35.6391, 25.7359, 11.5793

Complementary

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



14.7471, 25.7359, 16.5022



15.0627, 7.6770, 4.6921

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.



38.8554, 25.7359, 23.7304



14.7471, 25.7359, 16.5022



32.7416, 25.7359, 66.5447

Square

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



14.7471, 25.7359, 16.5022



20.0126, 25.7359, 74.9407



37.7115, 25.7359, 43.9434



29.5246, 25.7359, 6.4216

Rectangle

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



14.7471, 25.7359, 16.5022



15.0566, 25.7359, 47.6110



37.7115, 25.7359, 43.9434



37.1397, 25.7359, 14.7128

Sweetspot

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



14.7478, 25.7369, 16.5028



42.4540, 53.8484, 53.4736



14.1614, 25.7060, 4.2156



9.1951, 11.9541, 11.6796



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.7478, 25.7369, 16.5028



26.3143, 46.0521, 29.0463



15.3187, 20.6240, 35.9756



6.7191, 7.4684, 7.9552



11.6682, 20.3352, 13.1415



0.2283, 0.3715, 0.3387

Inverse Universe

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



15.0627, 7.6770, 4.6921



26.8886, 13.7135, 7.9492



14.5707, 7.9152, 0.7600



6.7281, 6.6842, 7.4192



11.9150, 6.0706, 3.8036



0.2325, 0.1163, 0.1705

Previews

White Background



This preview shows how the XYZ color 14.7471, 25.7359, 16.5022 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 14.7471, 25.7359, 16.5022 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 14.7471, 25.7359, 16.5022

Background



This preview shows how black text looks on a background with the XYZ color 14.7471, 25.7359, 16.5022.



This preview shows how white text looks on a background with the XYZ color 14.7471, 25.7359,

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

14.7471, 25.7359, 16.5022

Protanopia

23.5979, 25.4337, 13.7907

Deuteranopia

25.8054, 25.2454, 17.4227



Tritanopia

19.3983, 25.6543, 39.0513

Trichromacy



Original Color

14.7471, 25.7359, 16.5022



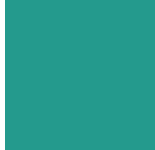
Protanomaly

17.0638, 23.8169, 14.5242



Deuteranomaly

17.8163, 23.2495, 16.9132



Tritanomaly

17.0909, 25.4094, 29.2030

Monochromacy



Original Color

14.7471, 25.7359, 16.5022



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

12.1470, 16.8600, 15.7108

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7471, 25.7359, 16.5022 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, 159, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 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, 159, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 101) }
```

Border

The CSS property to change the border of an element to XYZ 14.7471, 25.7359, 16.5022 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, 159, 101) }
```


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

```
.border{ border-color:rgb(0, 159, 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, 159, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7471, 25.7359, 16.5022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 101) }
```

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

```
.background{ background-color: rgb(0, 159,  
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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