

Converting Colors

XYZ(12.0819, 23.3910, 16.3064)

Have a look what the booklet for
XYZ(12.0819, 23.3910, 16.3064)
contains.

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Color

**XYZ(14.0703, 24.3823,
16.2766)**

Conversions

Conversions Part 1

Format	Color
Hex	009B65
RGB	0, 155, 101
RGB Percent	0%, 61%, 40%
CMY	1.0000, 0.3921, 0.6039
CMYK	1.00, 0.00, 0.35, 0.39
HSL	159°, 100%, 30%
HSV	159°, 100%, 61%
XYZ	14.0703, 24.3823, 16.2766
YIQ	102.4990, -75.0460, -49.6540

Conversions

Conversions Part 2

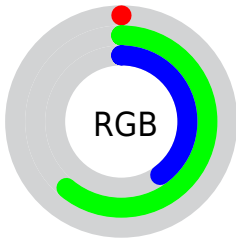
Format	Color
RYB	0, 94, 155
Decimal	39781
CIELab	56.47, -47.86, 18.80
CIELCh	56, 51.425, 158.555
Yxy	24.3823, 0.2571, 0.4455
Android (android.graphics.Color)	4278229861 (0xFF009B65)
YUV	102.4990, -0.7390, -89.8916
Hunter-Lab	49.3784, -35.5490, 15.0212

Details

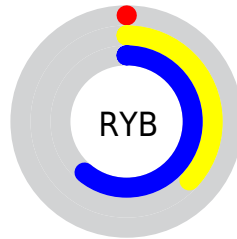
The XYZ color **14.0703, 24.3823, 16.2766** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.1842, 7.2354, 4.1401**, and the grayscale version is **12.7770, 13.4424, 14.6388**.

A 20% lighter version of the original color is **32.8922, 50.8818, 37.7933**, and **5.4172, 9.7691, 5.0901** is the 20% darker color. If you saturate the color by 10%, you get **14.0707, 24.3832, 16.2765**, and if you desaturate by 10%, it is **14.5497, 24.5985, 17.7267**.

Distribution



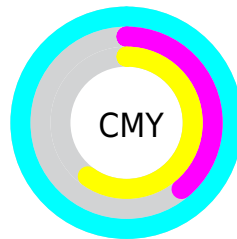
- Red (0%)
- Green (61%)
- Blue (40%)



- 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 14.0703, 24.3823, 16.2766 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 14.0703, 24.3823, 16.2766 by changing the saturation by 10% instead.

■ 14.0703, 24.3823,
16.2766

■ 14.0703, 24.3823,
16.2766

211.1696,
274.7476, 242.8696

■ 8.2516, 15.6175,
9.5636

■ 32.7989, 50.6533,
37.8512

■ 4.3095, 9.2539,
5.0088

■ 46.4396, 68.9283,
53.5499

■ 1.8787, 4.9071,
2.1936

■ 63.4183, 91.1422,
73.0809

■ 0.5644, 2.1929,
0.6707

■ 84.1003, 117.6792,
96.8627

■ 0.0000, 0.7161,
0.0000

■ 108.8512,
148.9239, 125.3140

■ 0.0000, 0.0000,
0.0000

■ 138.0361,

185.2606, 158.8532

172.0204,
227.0737, 197.8989

■ 14.0703, 24.3823,
16.2766

■ 14.0703, 24.3823,
16.2766

■ 14.0707, 24.3832,
16.2765

■ 14.5497, 24.5985,
17.7267

■ 15.2008, 24.9005,
19.2767

■ 16.0944, 25.3254,
20.9322

■ 17.2593, 25.8882,
22.6962

■ 18.7201, 26.6012,
24.5712

■ 20.4985, 27.4759,
26.5599

■ 22.6142, 28.5221,
28.6646

■ 25.0851, 29.7493,
30.8877

■ 27.9279, 31.1659,
33.2313

Harmonies

Analogous

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



16.7478, 24.3823, 8.2794



14.0703, 24.3823, 16.2766



13.5988, 24.3823, 31.7293

Triad

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



14.0703, 24.3823, 16.2766



24.9194, 24.3823, 73.9462



33.3272, 24.3823, 10.9103

Complementary

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



14.0703, 24.3823, 16.2766



14.1842, 7.2354, 4.1401

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.



36.4357, 24.3823, 21.9642



14.0703, 24.3823, 16.2766



31.0655, 24.3823, 61.3181

Square

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



14.0703, 24.3823, 16.2766



19.2368, 24.3823, 70.2395



35.5439, 24.3823, 40.4265



27.6162, 24.3823, 6.2332

Rectangle

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



14.0703, 24.3823, 16.2766



14.5048, 24.3823, 45.5020



35.5439, 24.3823, 40.4265



34.7520, 24.3823, 13.7597

Sweetspot

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



14.0709, 24.3833, 16.2772



40.2572, 50.9588, 51.1051



13.2569, 24.2350, 3.9793



8.7618, 11.3609, 11.2278



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.



14.0709, 24.3833, 16.2772



25.1063, 43.6293, 28.6646



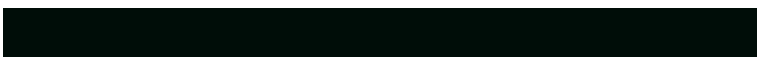
14.1346, 18.8024, 33.8958



6.2931, 6.9900, 7.4669



11.3197, 19.5913, 13.1700



0.1863, 0.2997, 0.2866

Inverse Universe

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



14.1842, 7.2354, 4.1401



25.3199, 12.9245, 6.9854



13.8297, 7.5919, 0.7367



6.2932, 6.2564, 6.9242



11.4089, 5.8178, 3.4123



0.1867, 0.0934, 0.1358

Previews

White Background



This preview shows how the XYZ color 14.0703, 24.3823, 16.2766 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 14.0703, 24.3823, 16.2766 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 14.0703, 24.3823, 16.2766

Background



This preview shows how black text looks on a background with the XYZ color 14.0703, 24.3823, 16.2766.



This preview shows how white text looks on a background with the XYZ color 14.0703, 24.3823,

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

14.0703, 24.3823, 16.2766

Protanopia

22.4498, 24.2116, 13.6153

Deuteranopia

24.4087, 23.9301, 17.2424



Tritanopia

18.4564, 24.5021, 37.0143

Trichromacy



Original Color

14.0703, 24.3823, 16.2766



Protanomaly

16.2528, 22.4994, 14.3127



Deuteranomaly

16.8938, 21.9062, 16.7025



Tritanomaly

16.3865, 24.3374, 28.2600

Monochromacy



Original Color

14.0703, 24.3823, 16.2766



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 14.0703, 24.3823, 16.2766 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, 155, 101)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 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, 155, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 101) }
```

Border

The CSS property to change the border of an element to XYZ 14.0703, 24.3823, 16.2766 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, 155, 101) }
```


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

```
.border{ border-color:rgb(0, 155, 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, 155, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 101);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0703, 24.3823, 16.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 101) }
```

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

```
.background{ background-color: rgb(0, 155,  
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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