

Converting Colors

XYZ(9.3736, 16.3103, 10.6371)

Have a look what the booklet for
XYZ(9.3736, 16.3103, 10.6371)
contains.

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Color

**XYZ(9.3732, 16.3097,
10.6367)**

Conversions

Conversions Part 1

Format	Color
Hex	008152
RGB	0, 129, 82
RGB Percent	0%, 51%, 32%
CMY	1.0000, 0.4941, 0.6784
CMYK	1.00, 0.00, 0.36, 0.49
HSL	158°, 100%, 25%
HSV	158°, 100%, 51%
XYZ	9.3732, 16.3097, 10.6367
YIQ	85.0710, -61.7970, -41.9650

Conversions

Conversions Part 2

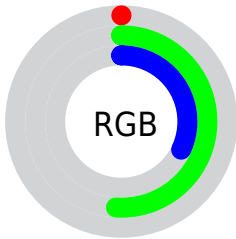
Format	Color
RYB	0, 79, 129
Decimal	33106
CIELab	47.38, -42.18, 17.16
CIELCh	47, 45.536, 157.859
Yxy	16.3097, 0.2581, 0.4491
Android (android.graphics.Color)	4278223186 (0xFF008152)
YUV	85.0710, -1.5140, -74.6073
Hunter-Lab	40.3853, -29.2453, 12.6538

Details

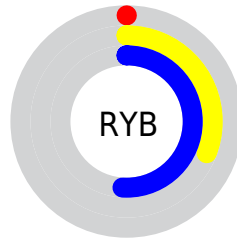
The XYZ color **9.3732, 16.3097, 10.6367** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.5668, 4.8726, 3.1259**, and the grayscale version is **8.6622, 9.1133, 9.9244**.

A 20% lighter version of the original color is **24.3228, 37.1952, 27.7272**, and **3.0583, 5.5824, 2.6666** is the 20% darker color. If you saturate the color by 10%, you get **9.3736, 16.3103, 10.6369**, and if you desaturate by 10%, it is **9.7232, 16.4692, 11.6194**.

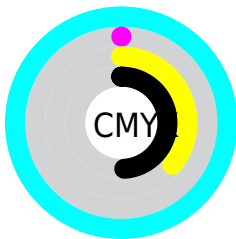
Distribution



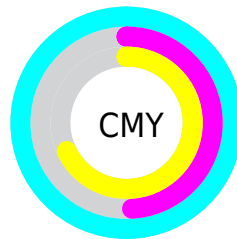
- Red (0%)
- Green (51%)
- Blue (32%)



- Red (0%)
- Yellow (31%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (36%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.3732, 16.3097, 10.6367 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 9.3732, 16.3097, 10.6367 by changing the saturation by 10% instead.


 9.3732, 16.3097,
10.6367


 9.3732, 16.3097,
10.6367


180.2868,
231.1623, 205.8050


 5.0444, 9.7436,
5.7120


 24.2702, 37.1350,
27.6127


 2.3084, 5.2293,
2.6048

 35.5692, 52.1630,
40.5011


 0.7990, 2.3824,
0.8949

 49.9222, 70.7804,
56.8811

 0.0000, 0.8168,
0.0000

 67.6948, 93.3716,
77.1713

 0.0000, 0.0000,
0.0000

 89.2522, 120.3210,
101.7903

 114.9597,

152.0130, 131.1565

145.1828,
188.8320, 165.6886

■ 9.3732, 16.3097,
10.6367

■ 9.3732, 16.3097,
10.6367

■ 9.3736, 16.3103,
10.6369

■ 9.7232, 16.4692,
11.6194

■ 10.1772, 16.6804,
12.6719

■ 10.7921, 16.9731,
13.7983

■ 11.5857, 17.3564,
15.0006

■ 12.5735, 17.8383,
16.2808

■ 13.7693, 18.4259,
17.6405

■ 15.1855, 19.1256,
19.0815

■ 16.8336, 19.9432,
20.6053

■ 18.7241, 20.8842,
22.2135

Harmonies

Analogous

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



11.2145, 16.3097, 5.3649



9.3732, 16.3097, 10.6367



9.0210, 16.3097, 20.9705

Triad

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



9.3732, 16.3097, 10.6367



16.5862, 16.3097, 50.0782



22.4629, 16.3097, 7.3209

Complementary

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



9.3732, 16.3097, 10.6367



9.5668, 4.8726, 3.1259

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.



24.5186, 16.3097, 14.8925



9.3732, 16.3097, 10.6367



20.7626, 16.3097, 41.6856

Square

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



9.3732, 16.3097, 10.6367



12.7600, 16.3097, 47.2806



23.8477, 16.3097, 27.5084



18.6108, 16.3097, 4.1109

Rectangle

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



9.3732, 16.3097, 10.6367



9.6088, 16.3097, 30.2842



23.8477, 16.3097, 27.5084



23.4148, 16.3097, 9.2732

Sweetspot

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



9.3736, 16.3103, 10.6371



27.0008, 34.1533, 33.9828



9.0368, 16.3127, 2.6724



5.9019, 7.6268, 7.4839



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



9.3736, 16.3103, 10.6371



16.7109, 29.1773, 18.6555



9.7350, 13.1298, 22.7909



4.3820, 4.8611, 5.1828



9.1410, 15.9030, 10.3814



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.5668, 4.8726, 3.1259



17.0633, 8.6982, 5.2397



9.2572, 5.0745, 0.4916



4.3875, 4.3682, 4.8451



9.3292, 4.7514, 3.0574



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.3732, 16.3097, 10.6367 looks on a white 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

Black Background



This preview shows how the XYZ color 9.3732, 16.3097, 10.6367 looks on a black 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

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

XYZ 9.3732, 16.3097, 10.6367

Background



This preview shows how black text looks on a background with the XYZ color 9.3732, 16.3097, 10.6367.



This preview shows how white text looks on a background with the XYZ color 9.3732, 16.3097,

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

9.3732, 16.3097, 10.6367

Protanopia

14.9493, 16.1613, 8.9881

Deuteranopia

16.3381, 16.0288, 11.2496



Tritanopia

12.4433, 16.4402, 24.7077

Trichromacy



Original Color

9.3732, 16.3097, 10.6367

Protanomaly

10.9141, 15.0847, 9.5441

Deuteranomaly

11.3377, 14.7563, 10.8450

Tritanomaly

10.8776, 16.1433, 18.4623

Monochromacy



Original Color

9.3732, 16.3097, 10.6367

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

7.7752, 10.7317, 10.0491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.3732, 16.3097, 10.6367 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, 129, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 82)  
}
```

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, 129, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 82) }
```

Border

The CSS property to change the border of an element to XYZ 9.3732, 16.3097, 10.6367 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, 129, 82) }
```


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

```
.border{ border-color:rgb(0, 129, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 129, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 129, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.3732, 16.3097, 10.6367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 82) }
```

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

```
.background{ background-color: rgb(0, 129,  
82) }
```

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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