

Converting Colors

XYZ(9.9465, 18.6386, 9.1638)

Have a look what the booklet for
XYZ(9.9465, 18.6386, 9.1638)
contains.

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Color

**XYZ(10.4023, 18.9331,
9.2371)**

Conversions

Conversions Part 1

Format	Color
Hex	008B48
RGB	0, 139, 72
RGB Percent	0%, 55%, 28%
CMY	1.0000, 0.4549, 0.7176
CMYK	1.00, 0.00, 0.48, 0.45
HSL	151°, 100%, 27%
HSV	151°, 100%, 55%
XYZ	10.4023, 18.9331, 9.2371
YIQ	89.8010, -61.3370, -50.3050

Conversions

Conversions Part 2

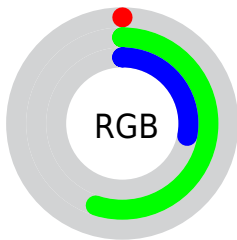
Format	Color
RYB	0, 92, 139
Decimal	35656
CIELab	50.61, -47.94, 26.96
CIELCh	51, 55.003, 150.645
Yxy	18.9331, 0.2697, 0.4908
Android (android.graphics.Color)	4278225736 (0xFF008B48)
YUV	89.8010, -8.7759, -78.7555
Hunter-Lab	43.5122, -33.4730, 17.8720

Details

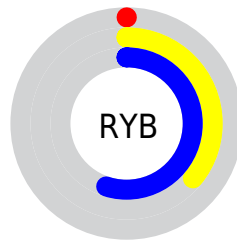
The XYZ color **10.4023, 18.9331, 9.2371** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.6612, 5.8946, 5.8340**, and the grayscale version is **9.7030, 10.2083, 11.1169**.

A 20% lighter version of the original color is **26.2843, 41.7826, 25.0919**, and **3.5946, 6.8910, 2.1179** is the 20% darker color. If you saturate the color by 10%, you get **10.4027, 18.9338, 9.2372**, and if you desaturate by 10%, it is **10.8130, 19.1187, 10.4608**.

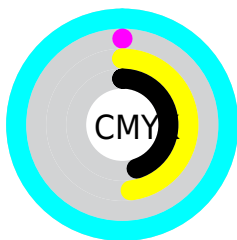
Distribution



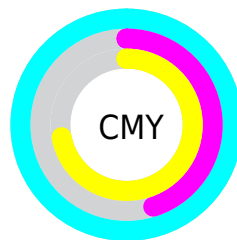
- Red (0%)
- Green (55%)
- Blue (28%)



- Red (0%)
- Yellow (36%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.4023, 18.9331, 9.2371 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 10.4023, 18.9331, 9.2371 by changing the saturation by 10% instead.


 10.4023, 18.9331,
9.2371


 10.4023, 18.9331,
9.2371


187.5140,
246.0792, 195.4197


 5.7308, 11.6219,
4.7972


 26.1924, 41.6210,
24.9353


 2.7212, 6.4868,
2.0721


 38.0416, 57.7666,
37.0307


 1.0081, 3.1433,
0.5991

 53.0142, 77.6257,
52.5151

 0.0000, 1.2070,
0.0000

 71.4754, 101.5829,
71.8069

 0.0000, 0.0674,
0.0000

 93.7906, 130.0224,
95.3247

 0.0000, 0.0000,
0.0000

 120.3252,

163.3287, 123.4871

151.4446,
201.8862, 156.7126

■ 10.4023, 18.9331,
9.2371

■ 10.4023, 18.9331,
9.2371

■ 10.4027, 18.9338,
9.2372

■ 10.8130, 19.1187,
10.4608

■ 11.3622, 19.3724,
11.8188

■ 12.1120, 19.7265,
13.3180

■ 13.0846, 20.1924,
14.9629

■ 14.2989, 20.7800,
16.7579

■ 15.7721, 21.4978,
18.7069

■ 17.5193, 22.3537,
20.8137

■ 19.5548, 23.3549,
23.0822

■ 21.8916, 24.5082,
25.5158

Harmonies

Analogous

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



13.2216, 18.9331, 4.1899



10.4023, 18.9331, 9.2371



9.5082, 18.9331, 20.9504

Triad

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



10.4023, 18.9331, 9.2371



18.1121, 18.9331, 66.6817



28.4405, 18.9331, 8.9028

Complementary

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



10.4023, 18.9331, 9.2371



11.6612, 5.8946, 5.8340

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.



30.4447, 18.9331, 20.2831



10.4023, 18.9331, 9.2371



23.7987, 18.9331, 58.0407

Square

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



10.4023, 18.9331, 9.2371



13.3866, 18.9331, 58.7085



28.5988, 18.9331, 38.8109



23.5564, 18.9331, 4.0756

Rectangle

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



10.4023, 18.9331, 9.2371



9.9485, 18.9331, 32.9212



28.5988, 18.9331, 38.8109



29.5123, 18.9331, 11.8357

Sweetspot

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



10.4028, 18.9339, 9.2375



31.1524, 39.9219, 37.0165



11.5605, 19.6658, 3.1867



6.8988, 9.0619, 8.1993



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



10.4028, 18.9339, 9.2375



18.5446, 33.8723, 16.0985



13.5615, 19.6663, 27.5082



5.0729, 5.6487, 5.9050



9.3973, 17.0915, 8.3826



0.0698, 0.1165, 0.0947

Inverse Universe

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



11.6612, 5.8946, 5.8340



20.7991, 10.5223, 10.0096



10.6731, 5.5396, 0.5068



5.1267, 5.0861, 5.7557



10.5329, 5.3233, 5.3103



0.0773, 0.0383, 0.0739

Previews

White Background



This preview shows how the XYZ color 10.4023, 18.9331, 9.2371 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 10.4023, 18.9331, 9.2371 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 10.4023, 18.9331, 9.2371

Background



This preview shows how black text looks on a background with the XYZ color 10.4023, 18.9331, 9.2371.



This preview shows how white text looks on a background with the XYZ color 10.4023, 18.9331,

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

10.4023, 18.9331, 9.2371

Protanopia

17.1863, 18.7201, 7.7086

Deuteranopia

19.0075, 18.7408, 9.8233



Tritanopia

14.4670, 18.9425, 28.4850

Trichromacy



Original Color

10.4023, 18.9331, 9.2371



Protanomaly

12.2889, 17.4809, 8.1953



Deuteranomaly

12.9258, 17.2124, 9.4785



Tritanomaly

12.3957, 18.6746, 19.7809

Monochromacy



Original Color

10.4023, 18.9331, 9.2371



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

8.6112, 12.2195, 10.0884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4023, 18.9331, 9.2371 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, 139, 72)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 72)  
}
```

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, 139, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 72) }
```

Border

The CSS property to change the border of an element to XYZ 10.4023, 18.9331, 9.2371 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, 139, 72) }
```


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

```
.border{ border-color:rgb(0, 139, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 139, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 72);  
box-shadow:4px 4px 4px 4px rgb(0, 139, 72)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.4023, 18.9331, 9.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 72) }
```

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

```
.background{ background-color: rgb(0, 139,  
72) }
```

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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