

Converting Colors

XYZ(9.4449, 16.5609, 10.3275)

Have a look what the booklet for
XYZ(9.4449, 16.5609, 10.3275)
contains.

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Color

**XYZ(9.4306, 16.5445,
10.2858)**

Conversions

Conversions Part 1

Format	Color
Hex	008250
RGB	0, 130, 80
RGB Percent	0%, 51%, 31%
CMY	1.0000, 0.4902, 0.6863
CMYK	1.00, 0.00, 0.38, 0.49
HSL	157°, 100%, 25%
HSV	157°, 100%, 51%
XYZ	9.4306, 16.5445, 10.2858
YIQ	85.4300, -61.4300, -43.1100

Conversions

Conversions Part 2

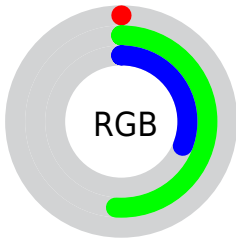
Format	Color
RYB	0, 80, 130
Decimal	33360
CIELab	47.68, -43.01, 18.71
CIELCh	48, 46.904, 156.494
Yxy	16.5445, 0.2601, 0.4563
Android (android.graphics.Color)	4278223440 (0xFF008250)
YUV	85.4300, -2.6770, -74.9221
Hunter-Lab	40.6749, -29.7954, 13.4793

Details

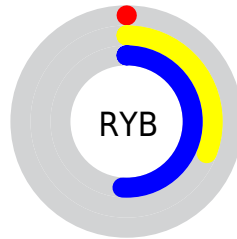
The XYZ color **9.4306, 16.5445, 10.2858** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.7822, 4.9764, 3.4631**, and the grayscale version is **8.7401, 9.1952, 10.0136**.

A 20% lighter version of the original color is **24.3942, 37.5549, 27.0822**, and **3.0994, 5.7133, 2.5295** is the 20% darker color. If you saturate the color by 10%, you get **9.4309, 16.5451, 10.2859**, and if you desaturate by 10%, it is **9.7888, 16.7074, 11.3036**.

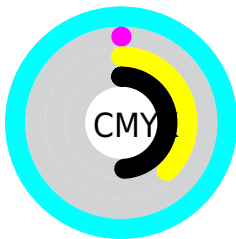
Distribution



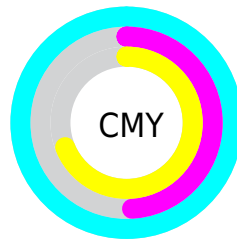
- Red (0%)
- Green (51%)
- Blue (31%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (49%)





- Cyan (100%)
- Magenta (49%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.4306, 16.5445, 10.2858 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 9.4306, 16.5445, 10.2858 by changing the saturation by 10% instead.


 9.4306, 16.5445,
10.2858


 9.4306, 16.5445,
10.2858


180.6984,
232.5336, 203.2582

 5.0824, 9.9103,
5.4808


 24.3784, 37.5409,
26.9479


 2.3310, 5.3395,
2.4684

 35.7087, 52.6719,
39.6420


 0.8104, 2.4478,
0.8233

 50.0972, 71.4040,
55.8029

 0.0000, 0.8503,
0.0000

 67.9090, 94.1214,
75.8492

 0.0000, 0.0000,
0.0000

 89.5098, 121.2087,
100.1993

 115.2646,

153.0503, 129.2718

145.5391,
190.0304, 163.4853

■ 9.4306, 16.5445,
10.2858

■ 9.4306, 16.5445,
10.2858

■ 9.4309, 16.5451,
10.2859

■ 9.7888, 16.7074,
11.3036

■ 10.2546, 16.9238,
12.3994

■ 10.8855, 17.2236,
13.5778

■ 11.6997, 17.6163,
14.8408

■ 12.7132, 18.1099,
16.1908

■ 13.9399, 18.7117,
17.6297

■ 15.3925, 19.4282,
19.1593

■ 17.0829, 20.2654,
20.7816

■ 19.0217, 21.2290,
22.4983

Harmonies

Analogous

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



11.4015, 16.5445, 5.0986



9.4306, 16.5445, 10.2858



8.9984, 16.5445, 20.7533

Triad

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



9.4306, 16.5445, 10.2858



16.6545, 16.5445, 52.0671



23.1367, 16.5445, 7.4767

Complementary

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



9.4306, 16.5445, 10.2858



9.7822, 4.9764, 3.4631

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.



25.1715, 16.5445, 15.5273



9.4306, 16.5445, 10.2858



21.0231, 16.5445, 43.6781

Square

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



9.4306, 16.5445, 10.2858



12.7240, 16.5445, 48.5619



24.3362, 16.5445, 28.8804



19.1644, 16.5445, 4.0538

Rectangle

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



9.4306, 16.5445, 10.2858



9.5575, 16.5445, 30.4006



24.3362, 16.5445, 28.8804



24.0994, 16.5445, 9.5531

Sweetspot

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



9.4310, 16.5452, 10.2862



26.9188, 34.1205, 33.5508



9.3993, 16.6961, 2.7274



5.8816, 7.6187, 7.3770



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.



9.4310, 16.5452, 10.2862



16.5349, 29.1069, 17.7286



10.3911, 14.3350, 23.3392



4.3785, 4.8597, 5.1643



9.0458, 15.8649, 9.8800



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.7822, 4.9764, 3.4631



17.1588, 8.7364, 5.7424



9.3503, 5.0340, 0.4789



4.3909, 4.3695, 4.8630



9.3823, 4.7726, 3.3368



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.4306, 16.5445, 10.2858 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 9.4306, 16.5445, 10.2858 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 9.4306, 16.5445, 10.2858

Background



This preview shows how black text looks on a background with the XYZ color 9.4306, 16.5445, 10.2858.



This preview shows how white text looks on a background with the XYZ color 9.4306, 16.5445,

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

9.4306, 16.5445, 10.2858

Protanopia

15.2761, 16.5022, 8.6834

Deuteranopia

16.6751, 16.3675, 10.8747



Tritanopia

12.6830, 16.7409, 25.1171

Trichromacy



Original Color

9.4306, 16.5445, 10.2858



Protanomaly

11.0432, 15.3352, 9.2154



Deuteranomaly

11.5530, 15.0466, 10.4790



Tritanomaly

11.0335, 16.4126, 18.5060

Monochromacy



Original Color

9.4306, 16.5445, 10.2858



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

7.7363, 10.7162, 9.8443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4306, 16.5445, 10.2858 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, 130, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 80)  
}
```

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, 130, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 80) }
```

Border

The CSS property to change the border of an element to XYZ 9.4306, 16.5445, 10.2858 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, 130, 80) }
```


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

```
.border{ border-color:rgb(0, 130, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 80);  
box-shadow:4px 4px 4px 4px rgb(0, 130, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.4306, 16.5445, 10.2858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 80) }
```

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

```
.background{ background-color: rgb(0, 130,  
80) }
```

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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