

Converting Colors

XYZ(8.7715, 17.8330, 9.4921)

Have a look what the booklet for
XYZ(8.7715, 17.8330, 9.4921)
contains.

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Color

**XYZ(10.3245, 18.6714,
9.5383)**

Conversions

Conversions Part 1

Format	Color
Hex	008A4A
RGB	0, 138, 74
RGB Percent	0%, 54%, 29%
CMY	1.0000, 0.4588, 0.7098
CMYK	1.00, 0.00, 0.46, 0.46
HSL	152°, 100%, 27%
HSV	152°, 100%, 54%
XYZ	10.3245, 18.6714, 9.5383
YIQ	89.4420, -61.7040, -49.1600

Conversions

Conversions Part 2

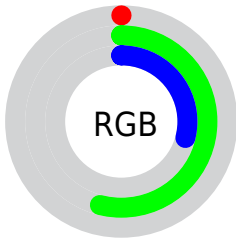
Format	Color
RYB	0, 90, 138
Decimal	35402
CIELab	50.30, -47.21, 25.49
CIELCh	50, 53.650, 151.637
Yxy	18.6714, 0.2679, 0.4845
Android (android.graphics.Color)	4278225482 (0xFF008A4A)
YUV	89.4420, -7.6129, -78.4406
Hunter-Lab	43.2104, -32.9682, 17.1596

Details

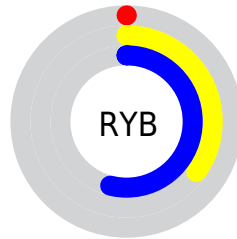
The XYZ color **10.3245, 18.6714, 9.5383** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.4072, 5.7738, 5.3644**, and the grayscale version is **9.6203, 10.1213, 11.0221**.

A 20% lighter version of the original color is **26.1877, 41.3890, 25.6774**, and **3.5374, 6.7394, 2.2130** is the 20% darker color. If you saturate the color by 10%, you get **10.3249, 18.6721, 9.5385**, and if you desaturate by 10%, it is **10.7298, 18.8546, 10.7413**.

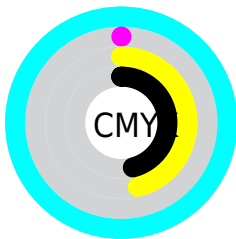
Distribution



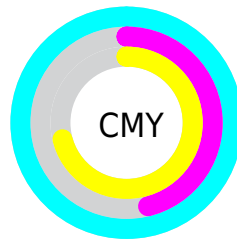
- Red (0%)
- Green (54%)
- Blue (29%)



- Red (0%)
- Yellow (35%)
- Blue (54%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (46%)





- Cyan (100%)
- Magenta (46%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.3245, 18.6714, 9.5383 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 10.3245, 18.6714, 9.5383 by changing the saturation by 10% instead.


 10.3245, 18.6714,
9.5383


 10.3245, 18.6714,
9.5383


186.9783,
244.6287, 197.7079


 5.6785, 11.4331,
4.9924


 26.0483, 41.1781,
25.5175


 2.6894, 6.3589,
2.1841


 37.8568, 57.2153,
37.7878


 0.9917, 3.0645,
0.6652

 52.7835, 76.9542,
53.4700

 0.0000, 1.1655,
0.0000

 71.1939, 100.7792,
72.9826

 0.0000, 0.0333,
0.0000

 93.4532, 129.0748,
96.7441

 0.0000, 0.0000,
0.0000

 119.9268,

162.2253, 125.1732

150.9800,
200.6151, 158.6883

■ 10.3245, 18.6714,
9.5383

■ 10.3245, 18.6714,
9.5383

■ 10.3249, 18.6721,
9.5385

■ 10.7298, 18.8546,
10.7413

■ 11.2692, 19.1039,
12.0679

■ 12.0043, 19.4514,
13.5248

■ 12.9567, 19.9081,
15.1157

■ 14.1451, 20.4837,
16.8447

■ 15.5861, 21.1867,
18.7151

■ 17.2946, 22.0246,
20.7306

■ 19.2845, 23.0046,
22.8942

■ 21.5686, 24.1332,
25.2093

Harmonies

Analogous

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



13.0033, 18.6714, 4.4005



10.3245, 18.6714, 9.5383



9.5134, 18.6714, 21.1587

Triad

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



10.3245, 18.6714, 9.5383



18.0337, 18.6714, 64.4652



27.6886, 18.6714, 8.7084

Complementary

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



10.3245, 18.6714, 9.5383



11.4072, 5.7738, 5.3644

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.



29.7294, 18.6714, 19.5232



10.3245, 18.6714, 9.5383



23.5225, 18.6714, 55.7355

Square

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



10.3245, 18.6714, 9.5383



13.4094, 18.6714, 57.3527



28.0745, 18.6714, 37.1853



22.9307, 18.6714, 4.1122

Rectangle

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



10.3245, 18.6714, 9.5383



9.9830, 18.6714, 32.8164



28.0745, 18.6714, 37.1853



28.7527, 18.6714, 11.4966

Sweetspot

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



10.3250, 18.6722, 9.5387



30.2750, 38.7183, 36.3033



11.2295, 19.2813, 3.1299



6.5352, 8.5590, 7.8479



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.3250, 18.6722, 9.5387



18.1183, 32.8794, 16.3892



13.0304, 18.7206, 26.9724



5.0766, 5.6501, 5.9244



9.4735, 17.1220, 8.7841



0.0703, 0.1167, 0.0973

Inverse Universe

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



11.4072, 5.7738, 5.3644



20.0281, 10.1454, 9.0427



10.5316, 5.5034, 0.5073



5.1231, 5.0847, 5.7365



10.4656, 5.2964, 4.9561



0.0768, 0.0381, 0.0712

Previews

White Background



This preview shows how the XYZ color 10.3245, 18.6714, 9.5383 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 10.3245, 18.6714, 9.5383 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 10.3245, 18.6714, 9.5383

Background



This preview shows how black text looks on a background with the XYZ color 10.3245, 18.6714, 9.5383.



This preview shows how white text looks on a background with the XYZ color 10.3245, 18.6714,

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

10.3245, 18.6714, 9.5383

Protanopia

16.9700, 18.4242, 7.9720

Deuteranopia

18.7930, 18.4535, 10.1608



Tritanopia

14.2065, 18.6184, 28.0443

Trichromacy



Original Color

10.3245, 18.6714, 9.5383



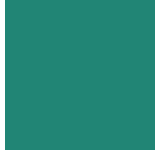
Protanomaly

12.1336, 17.2029, 8.4753



Deuteranomaly

12.7725, 16.9401, 9.8043



Tritanomaly

12.2256, 18.3827, 19.7335

Monochromacy



Original Color

10.3245, 18.6714, 9.5383



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

8.5453, 12.0253, 10.2582

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3245, 18.6714, 9.5383 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, 138, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 74)  
}
```

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, 138, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 74) }
```

Border

The CSS property to change the border of an element to XYZ 10.3245, 18.6714, 9.5383 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, 138, 74) }
```


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

```
.border{ border-color:rgb(0, 138, 74) }
```

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

Here you see how a box with a 4 pixel rgb(0, 138, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 138, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.3245, 18.6714, 9.5383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 74) }
```

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

```
.background{ background-color: rgb(0, 138,  
74) }
```

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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