

Converting Colors

XYZ(9.0568, 16.3949, 8.3174)

Have a look what the booklet for
XYZ(9.0568, 16.3949, 8.3174)
contains.

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Color

**XYZ(9.0568, 16.3949,
8.3174)**

Conversions

Conversions Part 1	
Format	Color
Hex	008245
RGB	0, 130, 69
RGB Percent	0%, 51%, 27%
CMY	1.0000, 0.4902, 0.7294
CMYK	1.00, 0.00, 0.47, 0.49
HSL	152°, 100%, 25%
HSV	152°, 100%, 51%
XYZ	9.0568, 16.3949, 8.3174
YIQ	84.1760, -57.8990, -46.5310

Conversions

Conversions Part 2

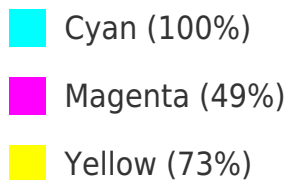
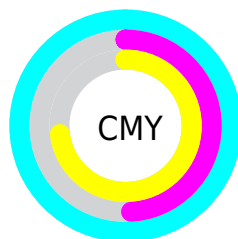
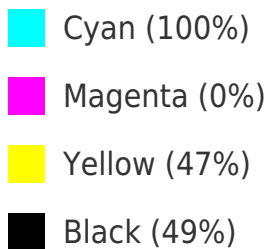
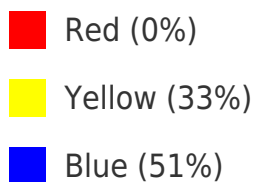
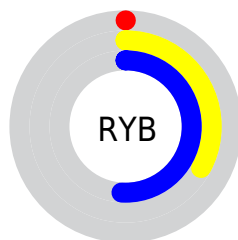
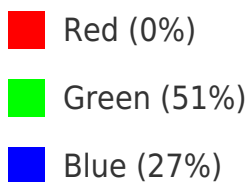
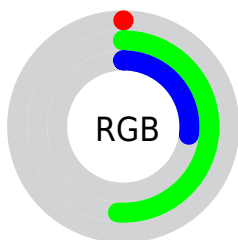
Format	Color
RYB	0, 85, 130
Decimal	33349
CIELab	47.49, -45.28, 24.60
CIELCh	47, 51.533, 151.484
Yxy	16.3949, 0.2682, 0.4855
Android (android.graphics.Color)	4278223429 (0xFF008245)
YUV	84.1760, -7.4818, -73.8224
Hunter-Lab	40.4906, -30.9323, 16.1643

Details

The XYZ color **9.0568, 16.3949, 8.3174** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.0488, 5.0831, 4.8673**, and the grayscale version is **8.4873, 8.9293, 9.7240**.

A 20% lighter version of the original color is **23.6350, 37.2512, 23.0841**, and **2.9609, 5.6579, 1.8002** is the 20% darker color. If you saturate the color by 10%, you get **9.0571, 16.3955, 8.3173**, and if you desaturate by 10%, it is **9.4225, 16.5608, 9.3749**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 9.0568, 16.3949, 8.3174 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 9.0568, 16.3949, 8.3174 by changing the saturation by 10% instead.


 9.0568, 16.3949,
8.3174


 9.0568, 16.3949,
8.3174


177.9991,
231.6608, 188.2274


 4.8357, 9.8040,
4.2080


 23.6717, 37.2824,
23.1347


 2.1849, 5.2692,
1.7402

 34.7962, 52.3479,
34.6798


 0.7348, 2.4061,
0.3880

 48.9526, 71.0069,
49.5404

 0.0000, 0.8290,
0.0000

 66.5061, 93.6441,
68.1353

 0.0000, 0.0000,
0.0000

 87.8222, 120.6436,
90.8829

 113.2661,

152.3900, 118.2017

143.2033,
189.2676, 150.5104

■ 9.0568, 16.3949,
8.3174

■ 9.0568, 16.3949,
8.3174

■ 9.0571, 16.3955,
8.3173

■ 9.4225, 16.5608,
9.3749

■ 9.9019, 16.7826,
10.5419

■ 10.5525, 17.0904,
11.8244

■ 11.3931, 17.4935,
13.2258

■ 12.4396, 18.0004,
14.7497

■ 13.7063, 18.6182,
16.3991

■ 15.2062, 19.3536,
18.1771

■ 16.9511, 20.2127,
20.0866

■ 18.9521, 21.2011,
22.1305

Harmonies

Analogous

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



11.4225, 16.3949, 3.8274



9.0568, 16.3949, 8.3174



8.3351, 16.3949, 18.5123

Triad

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



9.0568, 16.3949, 8.3174



15.8120, 16.3949, 56.7776



24.3605, 16.3949, 7.6560

Complementary

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



9.0568, 16.3949, 8.3174



10.0488, 5.0831, 4.8673

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.



26.1440, 16.3949, 17.2062



9.0568, 16.3949, 8.3174



20.6476, 16.3949, 49.1392

Square

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



9.0568, 16.3949, 8.3174



11.7466, 16.3949, 50.4330



24.6689, 16.3949, 32.7956



20.1748, 16.3949, 3.5982

Rectangle

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



9.0568, 16.3949, 8.3174



8.7427, 16.3949, 28.7688



24.6689, 16.3949, 32.7956



25.2939, 16.3949, 10.1180

Sweetspot

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



9.0572, 16.3956, 8.3178



26.5841, 33.9867, 31.7887



10.0225, 17.0173, 2.7566



5.7990, 7.5856, 6.9421



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.



9.0572, 16.3956, 8.3178



15.8750, 28.8429, 14.2536



11.7272, 17.0073, 23.7845



4.3639, 4.8539, 5.0877



8.6875, 15.7216, 7.9930



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.0488, 5.0831, 4.8673



17.6227, 8.9219, 8.1855



9.2299, 4.7932, 0.4389



4.4052, 4.3752, 4.9383



9.6382, 4.8750, 4.6843



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.0568, 16.3949, 8.3174 looks on a white background.

Color Contrast Check

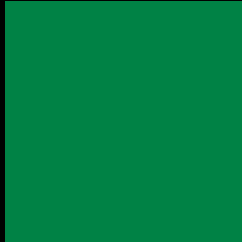
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.0568, 16.3949, 8.3174 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 9.0568, 16.3949, 8.3174

Background



This preview shows how black text looks on a background with the XYZ color 9.0568, 16.3949, 8.3174.



This preview shows how white text looks on a background with the XYZ color 9.0568, 16.3949,

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

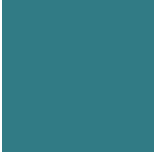
9.0568, 16.3949, 8.3174

Protanopia

14.8598, 16.1582, 7.0383

Deuteranopia

16.5194, 16.1743, 8.9079



Tritanopia

12.5832, 16.5123, 24.7143

Trichromacy



Original Color
9.0568, 16.3949, 8.3174



Protanomaly
10.6928, 15.1950, 7.3704



Deuteranomaly
11.1711, 14.7209, 8.5560



Tritanomaly
10.8404, 16.3388, 17.3342

Monochromacy



Original Color
9.0568, 16.3949, 8.3174



Achromatopsia
8.4267, 8.8656, 9.6546



Achromatomaly
7.5332, 10.6288, 9.0517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.0568, 16.3949, 8.3174 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 69) }
```

Border

The CSS property to change the border of an element to XYZ 9.0568, 16.3949, 8.3174 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, 69) }
```


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

```
.border{ border-color:rgb(0, 130, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 130, 69)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.0568, 16.3949, 8.3174 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, 69) }
```

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

```
.background{ background-color: rgb(0, 130,  
69) }
```

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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