

Converting Colors

XYZ(13.6068, 24.3437, 13.3831)

Have a look what the booklet for
XYZ(13.6068, 24.3437, 13.3831)
contains.

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Color

**XYZ(13.6916, 24.4982,
13.4582)**

Conversions

Conversions Part 1

Format	Color
Hex	009C59
RGB	0, 156, 89
RGB Percent	0%, 61%, 35%
CMY	1.0000, 0.3882, 0.6510
CMYK	1.00, 0.00, 0.43, 0.39
HSL	154°, 100%, 31%
HSV	154°, 100%, 61%
XYZ	13.6916, 24.4982, 13.4582
YIQ	101.7180, -71.4690, -53.9090

Conversions

Conversions Part 2

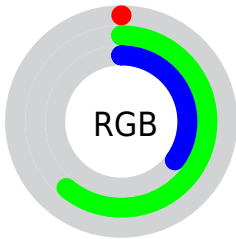
Format	Color
RYB	0, 99, 156
Decimal	40025
CIELab	56.58, -50.75, 25.52
CIELCh	57, 56.807, 153.308
Yxy	24.4982, 0.2651, 0.4743
Android (android.graphics.Color)	4278230105 (0xFF009C59)
YUV	101.7180, -6.2700, -89.2067
Hunter-Lab	49.4957, -37.2403, 18.5256

Details

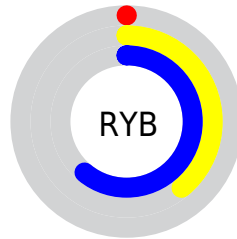
The XYZ color **13.6916, 24.4982, 13.4582** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **14.7241, 7.4736, 5.9774**, and the grayscale version is **12.5855, 13.2410, 14.4194**.

A 20% lighter version of the original color is **32.2076, 51.0067, 32.9587**, and **5.2682, 9.8677, 3.8175** is the 20% darker color. If you saturate the color by 10%, you get **13.6921, 24.4991, 13.4584**, and if you desaturate by 10%, it is **14.1935, 24.7236, 15.0186**.

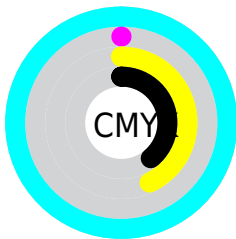
Distribution



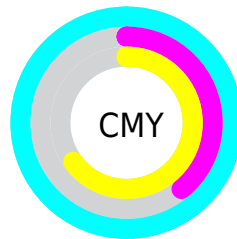
- Red (0%)
- Green (61%)
- Blue (35%)



- Red (0%)
- Yellow (39%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.6916, 24.4982, 13.4582 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 13.6916, 24.4982, 13.4582 by changing the saturation by 10% instead.


 13.6916, 24.4982,
13.4582


 13.6916, 24.4982,
13.4582


208.8530,
275.3296, 225.1437


 7.9867, 15.7036,
7.6104

 32.1317, 50.8420,
32.8277


 4.1382, 9.3147,
3.7625


 45.5976, 69.1599,
47.1865


 1.7806, 4.9470,
1.4960


 62.3812, 91.4211,
65.2194

 0.5059, 2.2162,
0.2149

 82.8480, 118.0100,
87.3448

 0.0000, 0.7288,
0.0000

 107.3632,
149.3109, 113.9815

 0.0000, 0.0000,
0.0000

 136.2922,

185.7082, 145.5478

170.0003,
227.5863, 182.4624

■ 13.6916, 24.4982,
13.4582

■ 13.6916, 24.4982,
13.4582

■ 13.6921, 24.4991,
13.4584

■ 14.1935, 24.7236,
15.0186

■ 14.8785, 25.0397,
16.7242

■ 15.8181, 25.4839,
18.5822

■ 17.0419, 26.0715,
20.5970

■ 18.5753, 26.8154,
22.7731

■ 20.4406, 27.7271,
25.1143

■ 22.6580, 28.8169,
27.6247

■ 25.2460, 30.0944,
30.3077

■ 28.2218, 31.5683,
33.1670

Harmonies

Analogous

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



16.9910, 24.4982, 6.3767



13.6916, 24.4982, 13.4582



12.7788, 24.4982, 28.8259

Triad

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



13.6916, 24.4982, 13.4582



24.0244, 24.4982, 81.8566



35.5750, 24.4982, 11.2859

Complementary

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



13.6916, 24.4982, 13.4582



14.7241, 7.4736, 5.9774

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.



38.3816, 24.4982, 24.6327



13.6916, 24.4982, 13.4582



30.9676, 24.4982, 70.0062

Square

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



13.6916, 24.4982, 13.4582



18.0394, 24.4982, 74.0706



36.5547, 24.4982, 46.5449



29.4596, 24.4982, 5.6029

Rectangle

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



13.6916, 24.4982, 13.4582



13.4706, 24.4982, 43.7835



36.5547, 24.4982, 46.5449



36.9840, 24.4982, 14.7283

Sweetspot

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



13.6922, 24.4992, 13.4588



40.8932, 52.2104, 49.8919



14.2453, 24.9926, 4.0734



8.6389, 11.3117, 10.5806



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.6922, 24.4992, 13.4588



24.7676, 44.4556, 23.9155



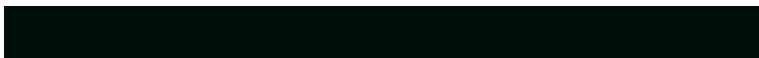
16.2188, 22.8359, 35.0067



6.7013, 7.4613, 7.8617



11.2953, 20.1861, 11.1779



0.2229, 0.3693, 0.3102

Inverse Universe

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



14.7241, 7.4736, 5.9774



26.6475, 13.5356, 10.3577



13.8238, 7.2941, 0.6794



6.7454, 6.6911, 7.5104



12.1444, 6.1623, 5.0113



0.2379, 0.1185, 0.1990

Previews

White Background



This preview shows how the XYZ color 13.6916, 24.4982, 13.4582 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 13.6916, 24.4982, 13.4582 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

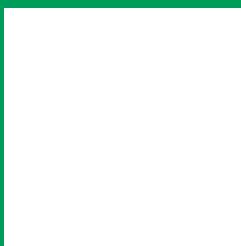
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6916, 24.4982, 13.4582

Background



This preview shows how black text looks on a background with the XYZ color 13.6916, 24.4982, 13.4582.



This preview shows how white text looks on a background with the XYZ color 13.6916, 24.4982,

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

13.6916, 24.4982, 13.4582

Protanopia

22.3619, 24.2179, 11.2805

Deuteranopia

24.6138, 24.1038, 14.1817



Tritanopia

18.6800, 24.6174, 37.0248

Trichromacy



Original Color

13.6916, 24.4982, 13.4582



Protanomaly

16.0388, 22.6647, 11.9169



Deuteranomaly

16.6879, 22.0803, 13.7383



Tritanomaly

16.1326, 24.2478, 26.3843

Monochromacy



Original Color

13.6916, 24.4982, 13.4582



Achromatopsia

12.6291, 13.2868, 14.4694



Achromatomaly

11.2972, 15.9060, 13.7840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6916, 24.4982, 13.4582 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, 156, 89)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 89)  
}
```

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, 156, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 89) }
```

Border

The CSS property to change the border of an element to XYZ 13.6916, 24.4982, 13.4582 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, 156, 89) }
```


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

```
.border{ border-color:rgb(0, 156, 89) }
```

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

Here you see how a box with a 4 pixel rgb(0, 156, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 89);  
box-shadow:4px 4px 4px 4px rgb(0, 156, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.6916, 24.4982, 13.4582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 156, 89) }
```

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

```
.background{ background-color: rgb(0, 156,  
89) }
```

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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