

Converting Colors

XYZ(13.0089, 24.1045, 10.2348)

Have a look what the booklet for
XYZ(13.0089, 24.1045, 10.2348)
contains.

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Color

**XYZ(13.0911, 24.2580,
10.2956)**

Conversions

Conversions Part 1

Format	Color
Hex	009C49
RGB	0, 156, 73
RGB Percent	0%, 61%, 29%
CMY	1.0000, 0.3882, 0.7137
CMYK	1.00, 0.00, 0.53, 0.39
HSL	148°, 100%, 31%
HSV	148°, 100%, 61%
XYZ	13.0911, 24.2580, 10.2956
YIQ	99.8940, -66.3330, -58.8850

Conversions

Conversions Part 2

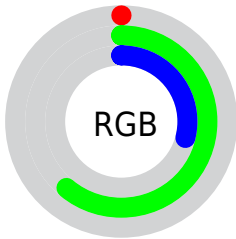
Format	Color
RYB	0, 106, 156
Decimal	40009
CIELab	56.35, -53.62, 33.62
CIElCh	56, 63.284, 147.913
Yxy	24.2580, 0.2748, 0.5091
Android (android.graphics.Color)	4278230089 (0xFF009C49)
YUV	99.8940, -13.2587, -87.6070
Hunter-Lab	49.2524, -38.7471, 22.0829

Details

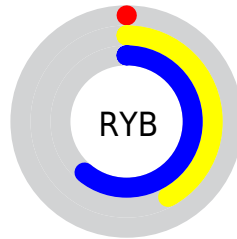
The XYZ color **13.0911, 24.2580, 10.2956** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.2726, 7.6930, 8.8653**, and the grayscale version is **12.1319, 12.7637, 13.8996**.

A 20% lighter version of the original color is **31.1431, 50.5917, 26.8627**, and **5.0257, 9.7707, 2.5408** is the 20% darker color. If you saturate the color by 10%, you get **13.0915, 24.2589, 10.2954**, and if you desaturate by 10%, it is **13.5926, 24.4832, 11.8536**.

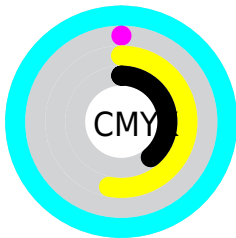
Distribution



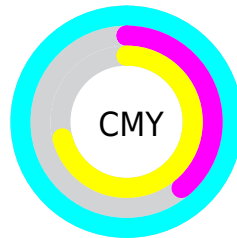
- Red (0%)
- Green (61%)
- Blue (29%)



- Red (0%)
- Yellow (42%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.0911, 24.2580, 10.2956 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 13.0911, 24.2580, 10.2956 by changing the saturation by 10% instead.


 13.0911, 24.2580,
10.2956


 13.0911, 24.2580,
10.2956


205.1265,
274.1223, 203.3299


 7.5687, 15.5251,
5.4872


 31.0673, 50.4509,
26.9665


 3.8697, 9.1887,
2.4722


 44.2518, 68.6797,
39.6661


 1.6287, 4.8645,
0.8254

 60.7211, 90.8426,
55.8332

 0.4110, 2.1680,
0.0000

 80.8405, 117.3240,
75.8863

 0.0000, 0.7025,
0.0000

 104.9754,
148.5082, 100.2440

 0.0000, 0.0000,
0.0000

 133.4911,

184.7798, 129.3248

166.7530,
226.5230, 163.5472

■ 13.0911, 24.2580,
10.2956

■ 13.0911, 24.2580,
10.2956

■ 13.0915, 24.2589,
10.2954

■ 13.5926, 24.4832,
11.8536

■ 14.2889, 24.8039,
13.6190

■ 15.2525, 25.2577,
15.6028

■ 16.5134, 25.8601,
17.8125

■ 18.0976, 26.6244,
20.2557

■ 20.0280, 27.5621,
22.9394

■ 22.3253, 28.6839,
25.8701

■ 25.0086, 29.9995,
29.0543

■ 28.0955, 31.5179,
32.4981

Harmonies

Analogous

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



17.0897, 24.2580, 4.4345



13.0911, 24.2580, 10.2956



11.6810, 24.2580, 24.9755

Triad

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



13.0911, 24.2580, 10.2956



22.5490, 24.2580, 90.4010



37.8184, 24.2580, 11.7090

Complementary

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



13.0911, 24.2580, 10.2956



15.2726, 7.6930, 8.8653

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.



40.1220, 24.2580, 27.9043



13.0911, 24.2580, 10.2956



30.2719, 24.2580, 80.2454

Square

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



13.0911, 24.2580, 10.2956



16.3747, 24.2580, 77.2130



37.1118, 24.2580, 54.0415



31.3461, 24.2580, 4.8952

Rectangle

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



13.0911, 24.2580, 10.2956



12.1128, 24.2580, 40.8077



37.1118, 24.2580, 54.0415



39.1589, 24.2580, 15.8770

Sweetspot

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



13.0917, 24.2590, 10.2962



40.2784, 51.9645, 46.6542



15.4744, 25.6262, 4.1310



8.4906, 11.2524, 9.7996



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.



13.0917, 24.2590, 10.2962



23.6793, 44.0203, 18.1845



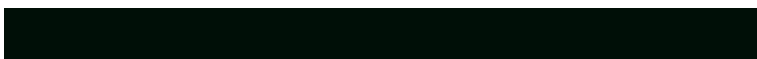
17.4589, 26.0059, 33.2938



6.6734, 7.4501, 7.7149



10.8002, 19.9880, 8.5708



0.2143, 0.3659, 0.2649

Inverse Universe

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



15.2726, 7.6930, 8.8653



27.6376, 13.9317, 15.5717



13.7395, 7.0798, 0.7919



6.7731, 6.7022, 7.6564



12.5969, 6.3433, 7.3943



0.2465, 0.1219, 0.2443

Previews

White Background



This preview shows how the XYZ color 13.0911, 24.2580, 10.2956 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 13.0911, 24.2580, 10.2956 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

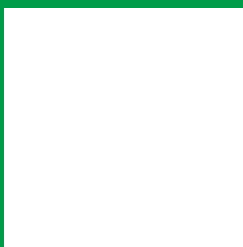
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0911, 24.2580, 10.2956

Background



This preview shows how black text looks on a background with the XYZ color 13.0911, 24.2580, 10.2956.



This preview shows how white text looks on a background with the XYZ color 13.0911, 24.2580,

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

13.0911, 24.2580, 10.2956

Protanopia

21.9029, 23.8331, 8.6001

Deuteranopia

24.2714, 23.8041, 10.9048



Tritanopia

18.6162, 24.3627, 36.5222

Trichromacy



Original Color

13.0911, 24.2580, 10.2956



Protanomaly

15.4665, 22.2086, 9.1017



Deuteranomaly

16.1370, 21.6558, 10.3507



Tritanomaly

15.6393, 23.8025, 24.1921

Monochromacy



Original Color

13.0911, 24.2580, 10.2956



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

10.6763, 15.2611, 12.0559

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0911, 24.2580, 10.2956 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, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 73)  
}
```

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, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 73) }
```

Border

The CSS property to change the border of an element to XYZ 13.0911, 24.2580, 10.2956 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, 73) }
```


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

```
.border{ border-color:rgb(0, 156, 73) }
```

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, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 156, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.0911, 24.2580, 10.2956 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, 73) }
```

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

```
.background{ background-color: rgb(0, 156,  
73) }
```

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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