

Converting Colors

XYZ(12.5866, 23.2616, 10.1051)

Have a look what the booklet for
XYZ(12.5866, 23.2616, 10.1051)
contains.

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Color

**XYZ(12.5938, 23.2635,
10.1299)**

Conversions

Conversions Part 1	
Format	Color
Hex	009949
RGB	0, 153, 73
RGB Percent	0%, 60%, 29%
CMY	1.0000, 0.4000, 0.7137
CMYK	1.00, 0.00, 0.52, 0.40
HSL	149°, 100%, 30%
HSV	149°, 100%, 60%
XYZ	12.5938, 23.2635, 10.1299
YIQ	98.1330, -65.5080, -57.3160

Conversions

Conversions Part 2

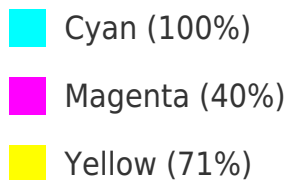
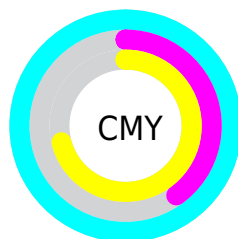
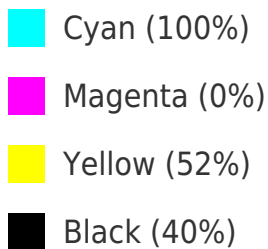
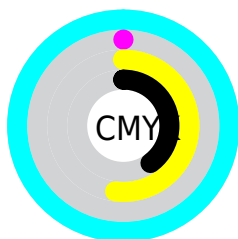
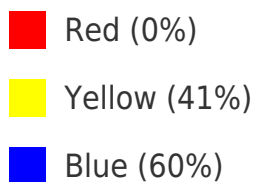
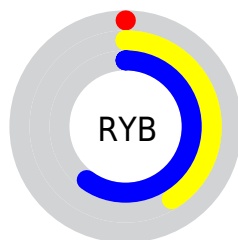
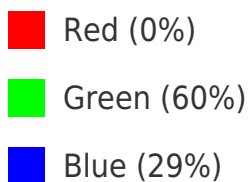
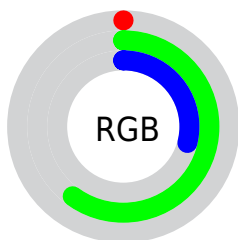
Format	Color
RYB	0, 104, 153
Decimal	39241
CIELab	55.34, -52.61, 32.38
CIELCh	55, 61.775, 148.388
Yxy	23.2635, 0.2739, 0.5059
Android (android.graphics.Color)	4278229321 (0xFF009949)
YUV	98.1330, -12.3906, -86.0626
Hunter-Lab	48.2323, -37.7988, 21.3103

Details

The XYZ color **12.5938, 23.2635, 10.1299** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.5854, 7.3518, 8.2401**, and the grayscale version is **11.6846, 12.2931, 13.3872**.

A 20% lighter version of the original color is **30.3061, 49.0572, 26.6106**, and **4.7326, 9.1845, 2.4431** is the 20% darker color. If you saturate the color by 10%, you get **12.5943, 23.2644, 10.1303**, and if you desaturate by 10%, it is **13.0789, 23.4816, 11.6281**.


Distribution



Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5938, 23.2635, 10.1299 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 12.5938, 23.2635, 10.1299 by changing the saturation by 10% instead.


 12.5938, 23.2635,
10.1299


 12.5938, 23.2635,
10.1299


201.9884,
269.0755, 202.1151


 7.2245, 14.7882,
5.3784


 30.1796, 48.8256,
26.6512


 3.6505, 8.6709,
2.4084


 43.1269, 66.6812,
39.2581

 1.5064, 4.5271,
0.7910


 59.3308, 88.4324,
55.3205

 0.3302, 1.9726,
0.0000

 79.1568, 114.4636,
75.2571

 0.0000, 0.5915,
0.0000

 102.9702,
145.1590, 99.4863

 0.0000, 0.0000,
0.0000

 131.1364,

180.9033, 128.4266

164.0206,
222.0806, 162.4967

■ 12.5938, 23.2635,
10.1299

■ 12.5938, 23.2635,
10.1299

■ 12.5943, 23.2644,
10.1303

■ 13.0789, 23.4816,
11.6281

■ 13.7481, 23.7898,
13.3191

■ 14.6718, 24.2251,
15.2125

■ 15.8786, 24.8019,
17.3157

■ 17.3931, 25.5329,
19.6353

■ 19.2371, 26.4291,
22.1776

■ 21.4302, 27.5006,
24.9487

■ 23.9906, 28.7567,
27.9543

■ 26.9351, 30.2059,
31.2001

Harmonies

Analogous

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



16.3617, 23.2635, 4.4051



12.5938, 23.2635, 10.1299



11.2868, 23.2635, 24.2713

Triad

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



12.5938, 23.2635, 10.1299



21.7384, 23.2635, 85.8335



36.0282, 23.2635, 11.1734

Complementary

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



12.5938, 23.2635, 10.1299



14.5854, 7.3518, 8.2401

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.



38.2853, 23.2635, 26.4190



12.5938, 23.2635, 10.1299



29.0710, 23.2635, 75.9224

Square

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



12.5938, 23.2635, 10.1299



15.8361, 23.2635, 73.7120



35.5115, 23.2635, 51.0620



29.8574, 23.2635, 4.7482

Rectangle

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



12.5938, 23.2635, 10.1299



11.7235, 23.2635, 39.3762



35.5115, 23.2635, 51.0620



37.3201, 23.2635, 15.0981

Sweetspot

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



12.5944, 23.2644, 10.1304



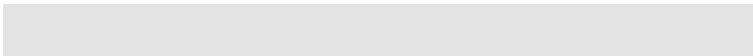
38.1263, 49.1256, 44.3722



14.8369, 24.5594, 3.9585



8.0712, 10.6775, 9.3672



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



12.5944, 23.2644, 10.1304



22.4614, 41.6253, 17.6534



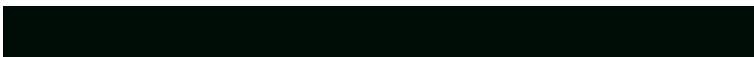
16.7293, 24.9184, 31.9046



6.2487, 6.9722, 7.2332



10.4253, 19.2336, 8.4601



0.1741, 0.2948, 0.2224

Inverse Universe

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



14.5854, 7.3518, 8.2401



26.0253, 13.1279, 14.2589



13.1654, 6.7838, 0.7620



6.3369, 6.2739, 7.1543



12.0711, 6.0827, 6.8993



0.1988, 0.0983, 0.1999

Previews

White Background



This preview shows how the XYZ color 12.5938, 23.2635, 10.1299 looks on a white background.

Color Contrast Check

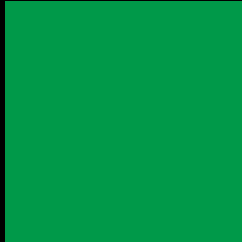
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5938, 23.2635, 10.1299 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 12.5938, 23.2635, 10.1299

Background



This preview shows how black text looks on a background with the XYZ color 12.5938, 23.2635, 10.1299.



This preview shows how white text looks on a background with the XYZ color 12.5938, 23.2635,

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

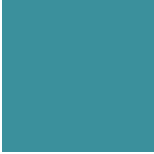
12.5938, 23.2635, 10.1299

Protanopia

21.0887, 23.0069, 8.4835

Deuteranopia

23.4060, 22.9745, 10.7903



Tritanopia

17.7776, 23.2766, 35.0083

Trichromacy



Original Color
12.5938, 23.2635, 10.1299



Protanomaly
14.9665, 21.5130, 8.9938



Deuteranomaly
15.6232, 20.9689, 10.2452



Tritanomaly
14.9989, 22.7859, 23.3462

Monochromacy



Original Color
12.5938, 23.2635, 10.1299



Achromatopsia
11.6093, 12.2139, 13.3009



Achromatomaly
10.2682, 14.7023, 11.7478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5938, 23.2635, 10.1299 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, 153, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 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, 153, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 73) }
```

Border

The CSS property to change the border of an element to XYZ 12.5938, 23.2635, 10.1299 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, 153, 73) }
```


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

```
.border{ border-color:rgb(0, 153, 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, 153, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5938, 23.2635, 10.1299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 73) }
```

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

```
.background{ background-color: rgb(0, 153,  
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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