

Converting Colors

XYZ(12.4305, 23.8734, 7.1863)

Have a look what the booklet for
XYZ(12.4305, 23.8734, 7.1863)
contains.

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Color

**XYZ(12.5083, 24.0249,
7.2268)**

Conversions

Conversions Part 1

Format	Color
Hex	009C34
RGB	0, 156, 52
RGB Percent	0%, 61%, 20%
CMY	1.0000, 0.3882, 0.7961
CMYK	1.00, 0.00, 0.67, 0.39
HSL	140°, 100%, 31%
HSV	140°, 100%, 61%
XYZ	12.5083, 24.0249, 7.2268
YIQ	97.5000, -59.5920, -65.4160

Conversions

Conversions Part 2

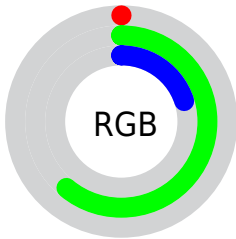
Format	Color
RYB	0, 117, 156
Decimal	39988
CIELab	56.11, -56.51, 43.36
CIELCh	56, 71.222, 142.501
Yxy	24.0249, 0.2858, 0.5490
Android (android.graphics.Color)	4278230068 (0xFF009C34)
YUV	97.5000, -22.4315, -85.5075
Hunter-Lab	49.0152, -40.2248, 25.5689

Details

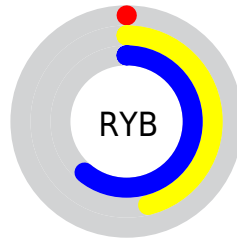
The XYZ color **12.5083, 24.0249, 7.2268** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.2096, 8.0677, 13.7999**, and the grayscale version is **11.5503, 12.1518, 13.2333**.

A 20% lighter version of the original color is **30.1115, 50.1901, 20.9326**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **12.5088, 24.0259, 7.2272**, and if you desaturate by 10%, it is **12.9765, 24.2368, 8.6099**.

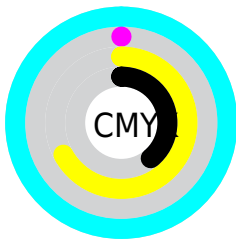
Distribution



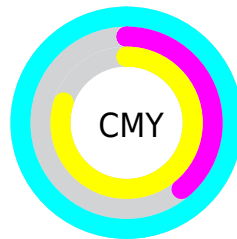
- Red (0%)
- Green (61%)
- Blue (20%)



- Red (0%)
- Yellow (46%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (67%)
- Black (39%)





- Cyan (100%)
- Magenta (39%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5083, 24.0249, 7.2268 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 12.5083, 24.0249, 7.2268 by changing the saturation by 10% instead.


 12.5083, 24.0249,
7.2268


 12.5083, 24.0249,
7.2268


201.4439,
272.9463, 179.2370


 7.1655, 15.3521,
3.5238


 30.0264, 50.0708,
20.9486


 3.6131, 9.0669,
1.3679


 42.9325, 68.2127,
31.8045

 1.4857, 4.7848,
0.1165

 59.0903, 90.2798,
45.8817

 0.3160, 2.1216,
0.0000

 78.8653, 116.6564,
63.5988

 0.0000, 0.6767,
0.0000

 102.6228,
147.7270, 85.3744

 0.0000, 0.0000,
0.0000

 130.7282,

183.8759, 111.6269

163.5467,
225.4876, 142.7749

■ 12.5083, 24.0249,
7.2268

■ 12.5083, 24.0249,
7.2268

■ 12.5088, 24.0259,
7.2272

■ 12.9765, 24.2368,
8.6099

■ 13.6562, 24.5508,
10.2882

■ 14.6213, 25.0052,
12.2807

■ 15.9035, 25.6162,
14.6028

■ 17.5299, 26.3973,
17.2689

■ 19.5247, 27.3608,
20.2924

■ 21.9098, 28.5177,
23.6860

■ 24.7053, 29.8781,
27.4619

■ 27.9299, 31.4515,
31.6315

Harmonies

Analogous

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



17.3391, 24.0249, 2.7294



12.5083, 24.0249, 7.2268



10.5401, 24.0249, 20.7200

Triad

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



12.5083, 24.0249, 7.2268



20.8471, 24.0249, 100.8340



40.6233, 24.0249, 12.4508

Complementary

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



12.5083, 24.0249, 7.2268



16.2096, 8.0677, 13.7999

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.



42.2006, 24.0249, 32.4752



12.5083, 24.0249, 7.2268



29.3844, 24.0249, 93.5484

Square

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



12.5083, 24.0249, 7.2268



14.5505, 24.0249, 80.4887



37.6893, 24.0249, 64.1766



33.7850, 24.0249, 4.2470

Rectangle

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



12.5083, 24.0249, 7.2268



10.6828, 24.0249, 37.1465



37.6893, 24.0249, 64.1766



41.8434, 24.0249, 17.5848

Sweetspot

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



12.5089, 24.0259, 7.2273



39.5148, 51.6591, 42.6331



17.5982, 26.7211, 4.2302



8.3079, 11.1793, 8.8378



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.



12.5089, 24.0259, 7.2273



22.6363, 43.6031, 12.6923



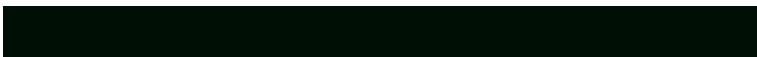
15.9184, 25.3897, 25.1817



6.6374, 7.4357, 7.5252



10.3178, 19.7950, 6.0304



0.2030, 0.3614, 0.2055

Inverse Universe

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



16.2096, 8.0677, 13.7999



29.3457, 14.6149, 24.5662



13.8974, 7.1428, 1.6236



6.8101, 6.7169, 7.8509



13.3677, 6.6516, 11.4533



0.2578, 0.1264, 0.3037

Previews

White Background



This preview shows how the XYZ color 12.5083, 24.0249, 7.2268 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 12.5083, 24.0249, 7.2268 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 12.5083, 24.0249, 7.2268

Background



This preview shows how black text looks on a background with the XYZ color 12.5083, 24.0249, 7.2268.



This preview shows how white text looks on a background with the XYZ color 12.5083, 24.0249,

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

12.5083, 24.0249, 7.2268

Protanopia

21.5959, 23.7315, 6.0272

Deuteranopia

23.9487, 23.5150, 7.6915



Tritanopia

18.5003, 24.0832, 36.0212

Trichromacy



Original Color

12.5083, 24.0249, 7.2268



Protanomaly

14.9258, 21.9923, 6.2546



Deuteranomaly

15.6779, 21.4857, 7.3238



Tritanomaly

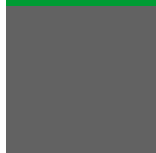
15.1112, 23.5957, 21.2107

Monochromacy



Original Color

12.5083, 24.0249, 7.2268



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

10.0686, 14.8119, 10.1129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5083, 24.0249, 7.2268 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 52) }
```

Border

The CSS property to change the border of an element to XYZ 12.5083, 24.0249, 7.2268 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, 52) }
```


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

```
.border{ border-color:rgb(0, 156, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 156, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5083, 24.0249, 7.2268 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, 52) }
```

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

```
.background{ background-color: rgb(0, 156,  
52) }
```

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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