

Converting Colors

XYZ(8.2548, 22.1570, 5.6674)

Have a look what the booklet for
XYZ(8.2548, 22.1570, 5.6674)
contains.

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Color

**XYZ(12.4068, 24.2539,
5.8613)**

Conversions

Conversions Part 1

Format	Color
Hex	009D26
RGB	0, 157, 38
RGB Percent	0%, 62%, 15%
CMY	1.0000, 0.3843, 0.8510
CMYK	1.00, 0.00, 0.76, 0.38
HSL	135°, 100%, 31%
HSV	135°, 100%, 62%
XYZ	12.4068, 24.2539, 5.8613
YIQ	96.4910, -55.3730, -70.2930

Conversions

Conversions Part 2

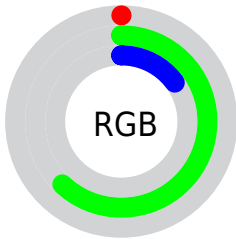
Format	Color
RYB	0, 126, 157
Decimal	40230
CIELab	56.34, -58.18, 49.21
CIELCh	56, 76.200, 139.775
Yxy	24.2539, 0.2918, 0.5704
Android (android.graphics.Color)	4278230310 (0xFF009D26)
YUV	96.4910, -28.8361, -84.6226
Hunter-Lab	49.2482, -41.2161, 27.4174

Details

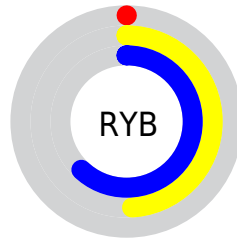
The XYZ color **12.4068, 24.2539, 5.8613** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **17.2349, 8.5003, 18.1845**, and the grayscale version is **11.3161, 11.9054, 12.9650**.

A 20% lighter version of the original color is **29.8990, 50.5175, 18.0725**, and **4.9503, 9.9006, 1.6501** is the 20% darker color. If you saturate the color by 10%, you get **12.4074, 24.2549, 5.8619**, and if you desaturate by 10%, it is **12.8397, 24.4519, 7.0498**.

Distribution



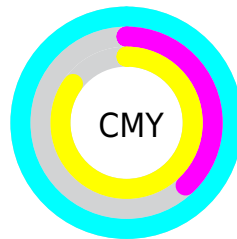
- Red (0%)
- Green (62%)
- Blue (15%)



- Red (0%)
- Yellow (49%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4068, 24.2539, 5.8613 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 12.4068, 24.2539, 5.8613 by changing the saturation by 10% instead.

■ 12.4068, 24.2539,
5.8613

■ 12.4068, 24.2539,
5.8613

200.7955,
274.1016, 167.0897

■ 7.0955, 15.5221,
2.6935

■ 29.8443, 50.4442,
18.1150

■ 3.5688, 9.1866,
0.9402

■ 42.7013, 68.6715,
28.0380

■ 1.4612, 4.8631,
0.0000

■ 58.8042, 90.8327,
41.0498

■ 0.2992, 2.1672,
0.0000

■ 78.5185, 117.3122,
57.5689

■ 0.0000, 0.7020,
0.0000

■ 102.2094,
148.4945, 78.0139

■ 0.0000, 0.0000,
0.0000

■ 130.2423,

184.7639, 102.8034

162.9825,
226.5048, 132.3558

■ 12.4068, 24.2539,
5.8613

■ 12.4068, 24.2539,
5.8613

■ 12.4074, 24.2549,
5.8619

■ 12.8397, 24.4519,
7.0498

■ 13.4988, 24.7582,
8.5967

■ 14.4605, 25.2121,
10.5307

■ 15.7585, 25.8307,
12.8759

■ 17.4218, 26.6284,
15.6544

■ 19.4764, 27.6181,
18.8865

■ 21.9455, 28.8116,
22.5914

■ 24.8508, 30.2195,
26.7872

■ 28.2123, 31.8517,
31.4908

Harmonies

Analogous

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



17.7945, 24.2539, 2.0285



12.4068, 24.2539, 5.8613



10.0998, 24.2539, 18.7142

Triad

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



12.4068, 24.2539, 5.8613



20.1807, 24.2539, 108.4194



42.8941, 24.2539, 13.1846

Complementary

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



12.4068, 24.2539, 5.8613



17.2349, 8.5003, 18.1845

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.



44.0052, 24.2539, 35.9663



12.4068, 24.2539, 5.8613



29.2561, 24.2539, 103.1598

Square

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



12.4068, 24.2539, 5.8613



13.7702, 24.2539, 83.2818



38.5136, 24.2539, 71.6203



35.7799, 24.2539, 4.0110

Rectangle

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



12.4068, 24.2539, 5.8613



10.0865, 24.2539, 35.5074



38.5136, 24.2539, 71.6203



44.0407, 24.2539, 19.0139

Sweetspot

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



12.4074, 24.2549, 5.8619



39.0244, 51.4629, 40.0505



19.8545, 28.1344, 4.3841



8.1916, 11.1328, 8.2255



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.



12.4074, 24.2549, 5.8619



22.1553, 43.4107, 10.1595



15.1598, 25.3559, 20.3557



6.6133, 7.4261, 7.3983



10.0894, 19.7037, 4.8280



0.1954, 0.3583, 0.1652

Inverse Universe

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



17.2349, 8.5003, 18.1845



30.7863, 15.1911, 32.1524



14.3208, 7.3346, 2.8390



6.8355, 6.7271, 7.9847



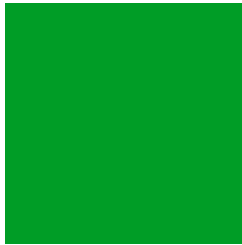
14.0123, 6.9095, 14.8477



0.2658, 0.1297, 0.3460

Previews

White Background



This preview shows how the XYZ color 12.4068, 24.2539, 5.8613 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 12.4068, 24.2539, 5.8613 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 12.4068, 24.2539, 5.8613

Background



This preview shows how black text looks on a background with the XYZ color 12.4068, 24.2539, 5.8613.



This preview shows how white text looks on a background with the XYZ color 12.4068, 24.2539,

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

12.4068, 24.2539, 5.8613

Protanopia

21.6872, 24.0115, 4.8582

Deuteranopia

24.2312, 23.8841, 6.3506



Tritanopia

18.6304, 24.1502, 36.0273

Trichromacy



Original Color

12.4068, 24.2539, 5.8613



Protanomaly

14.9351, 22.2472, 5.0204



Deuteranomaly

15.6696, 21.7267, 5.9526



Tritanomaly

14.8581, 23.4990, 19.6723

Monochromacy



Original Color

12.4068, 24.2539, 5.8613



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.6729, 14.4570, 8.9373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4068, 24.2539, 5.8613 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, 157, 38)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 38)  
}
```

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, 157, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 38) }
```

Border

The CSS property to change the border of an element to XYZ 12.4068, 24.2539, 5.8613 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, 157, 38) }
```


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

```
.border{ border-color:rgb(0, 157, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 38);  
box-shadow:4px 4px 4px 4px rgb(0, 157, 38)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4068, 24.2539, 5.8613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 38) }
```

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

```
.background{ background-color: rgb(0, 157,  
38) }
```

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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