

Converting Colors

XYZ(9.0311, 15.8950, 0.3477)

Have a look what the booklet for
XYZ(9.0311, 15.8950, 0.3477)
contains.

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Color

**XYZ(9.5138, 16.1708,
2.6199)**

Conversions

Conversions Part 1

Format	Color
Hex	3D7F00
RGB	61, 127, 0
RGB Percent	24%, 50%, 0%
CMY	0.7608, 0.5020, 1.0000
CMYK	0.52, 0.00, 1.00, 0.50
HSL	91°, 100%, 25%
HSV	91°, 100%, 50%
XYZ	9.5138, 16.1708, 2.6199
YIQ	92.7880, 1.4310, -53.4890

Conversions

Conversions Part 2

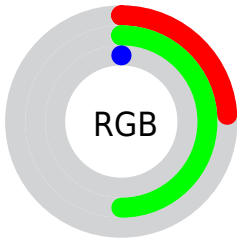
Format	Color
RYB	0, 127, 66
Decimal	4030208
CIELab	47.20, -40.25, 51.22
CIELCh	47, 65.145, 128.160
Yxy	16.1708, 0.3361, 0.5713
Android (android.graphics.Color)	4282220288 (0xFF3D7F00)
YUV	92.7880, -45.7445, -27.8781
Hunter-Lab	40.2129, -28.1421, 24.2863

Details

The XYZ color **9.5138, 16.1708, 2.6199** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.0787, 2.6913, 20.2786**, and the grayscale version is **10.4586, 11.0033, 11.9826**.

A 20% lighter version of the original color is **24.4491, 36.7257, 10.6507**, and **2.6539, 5.3078, 0.8846** is the 20% darker color. If you saturate the color by 10%, you get **9.5138, 16.1713, 2.6199**, and if you desaturate by 10%, it is **10.0166, 16.4223, 3.0129**.

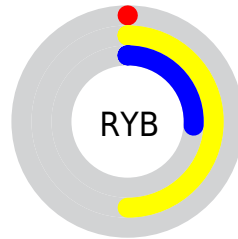
Distribution



Red (24%)

Green (50%)

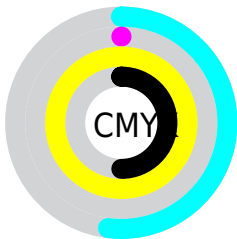
Blue (0%)



Red (0%)

Yellow (50%)

Blue (26%)

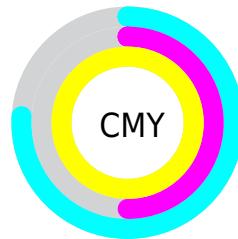


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (50%)



Cyan (76%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.5138, 16.1708, 2.6199 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 9.5138, 16.1708, 2.6199 by changing the saturation by 10% instead.

■ 9.5138, 16.1708,
2.6199

■ 9.5138, 16.1708,
2.6199

181.2930,
230.3475, 131.3617

■ 5.1376, 9.6451,
0.9027

■ 24.5350, 36.8945,
10.6752

■ 2.3638, 5.1643,
0.0000

■ 35.9106, 51.8612,
17.8516

■ 0.8270, 2.3440,
0.0000

■ 50.3501, 70.4104,
27.6853

■ 0.0000, 0.7968,
0.0000


■ 68.2189, 92.9265,
40.5948


■ 0.0000, 0.0000,
0.0000


■ 89.8822, 119.7939,
56.9987


■ 115.7054,


151.3969, 77.3154


 146.0539,
188.1200, 101.9636


 9.5138, 16.1708,
2.6199


 9.5138, 16.1708,
2.6199


 9.5138, 16.1713,
2.6199

 10.0166, 16.4223,
3.0129

 10.6092, 16.7152,
3.6103

 11.3177, 17.0606,
4.5396

 12.1513, 17.4624,
5.8403

 13.1177, 17.9239,
7.5462

■ 14.2242, 18.4481,
9.6873

■ 15.4773, 19.0377,
12.2907

■ 16.8830, 19.6954,
15.3816

■ 18.4471, 20.4237,
18.9829

Harmonies

Analogous

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



13.8572, 16.1708, 1.1975



9.5138, 16.1708, 2.6199



7.2383, 16.1708, 8.2782

Triad

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



9.5138, 16.1708, 2.6199



11.6218, 16.1708, 66.1986



29.0731, 16.1708, 13.4942

Complementary

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



9.5138, 16.1708, 2.6199



6.0787, 2.6913, 20.2786

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.



28.0457, 16.1708, 32.1622



9.5138, 16.1708, 2.6199



16.9888, 16.1708, 71.0183

Square

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



9.5138, 16.1708, 2.6199



8.2277, 16.1708, 45.2153



23.2394, 16.1708, 55.9407



25.7728, 16.1708, 4.4152

Rectangle

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



9.5138, 16.1708, 2.6199



6.7730, 16.1708, 16.6128



23.2394, 16.1708, 55.9407



29.2354, 16.1708, 18.6406

Sweetspot

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



9.5142, 16.1715, 2.6203



27.5440, 34.0104, 21.6436



10.6791, 8.3648, 1.0520



6.2567, 7.8725, 4.6621



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



9.5142, 16.1715, 2.6203



16.8656, 28.8699, 4.6835



7.6015, 15.1841, 2.5913



4.4572, 4.9121, 4.6333



9.5929, 16.3077, 2.6421



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.0787, 2.6913, 20.2786



10.7114, 4.7294, 36.3046



12.4473, 5.9902, 19.8641



4.3054, 4.3130, 5.4189



6.1283, 2.7129, 20.4506



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 9.5138, 16.1708, 2.6199 looks on a white background.

Color Contrast Check

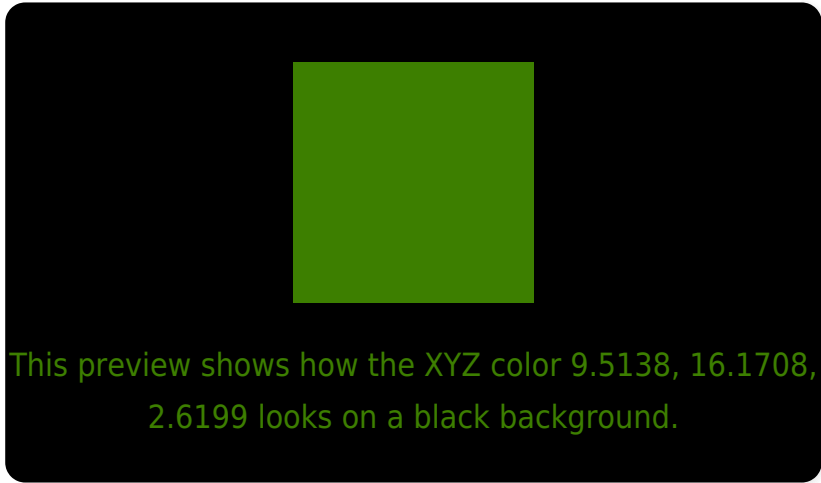
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

XYZ 9.5138, 16.1708, 2.6199

Background



This preview shows how black text looks on a background with the XYZ color 9.5138, 16.1708, 2.6199.



This preview shows how white text looks on a background with the XYZ color 9.5138, 16.1708,

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

9.5138, 16.1708, 2.6199

Protanopia

14.3984, 16.0240, 2.3341

Deuteranopia

16.1557, 15.9581, 3.2060



Tritanopia

13.5992, 16.1776, 22.8279

Trichromacy



Original Color

9.5138, 16.1708, 2.6199

Protanomaly

11.8408, 15.5474, 2.3769

Deuteranomaly

12.6740, 15.4546, 2.8454

Tritanomaly

10.9951, 15.6465, 10.2252

Monochromacy



Original Color

9.5138, 16.1708, 2.6199

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

9.2343, 12.1682, 5.9997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.5138, 16.1708, 2.6199 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(61, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 127, 0)  
}
```

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(61, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 127, 0) }
```

Border

The CSS property to change the border of an element to XYZ 9.5138, 16.1708, 2.6199 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(61, 127, 0) }
```


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

```
.border{ border-color:rgb(61, 127, 0) }
```

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

Here you see how a box with a 4 pixel rgb(61, 127, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 127, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.5138, 16.1708, 2.6199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 127, 0) }
```

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

```
.background{ background-color: rgb(61, 127,  
0) }
```

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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