

Converting Colors

XYZ(11.8998, 23.6609, 4.3943)

Have a look what the booklet for
XYZ(11.8998, 23.6609, 4.3943)
contains.

XYZ(11.9747, 23.8114, 4.4169)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.9747, 23.8114,
4.4169)**

Conversions

Conversions Part 1

Format	Color
Hex	009C0F
RGB	0, 156, 15
RGB Percent	0%, 61%, 6%
CMY	1.0000, 0.3882, 0.9411
CMYK	1.00, 0.00, 0.90, 0.39
HSL	126°, 100%, 31%
HSV	126°, 100%, 61%
XYZ	11.9747, 23.8114, 4.4169
YIQ	93.2820, -47.7150, -76.9230

Conversions

Conversions Part 2

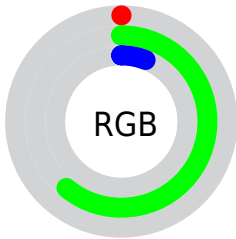
Format	Color
RYB	0, 142, 156
Decimal	39951
CIELab	55.90, -59.25, 55.24
CIELCh	56, 81.009, 137.005
Yxy	23.8114, 0.2979, 0.5923
Android (android.graphics.Color)	4278230031 (0xFF009C0F)
YUV	93.2820, -38.5930, -81.8083
Hunter-Lab	48.7969, -41.5910, 28.7912

Details

The XYZ color **11.9747, 23.8114, 4.4169** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **18.5181, 8.9911, 25.9563**, and the grayscale version is **10.5669, 11.1172, 12.1066**.

A 20% lighter version of the original color is **29.0644, 49.7824, 14.9146**, and **4.8502, 9.7005, 1.6167** is the 20% darker color. If you saturate the color by 10%, you get **11.9752, 23.8124, 4.4174**, and if you desaturate by 10%, it is **12.3190, 23.9738, 5.1477**.

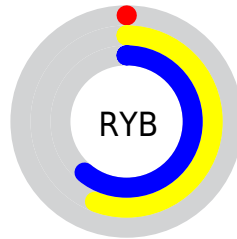
Distribution



Red (0%)

Green (61%)

Blue (6%)



Red (0%)

Yellow (56%)

Blue (61%)

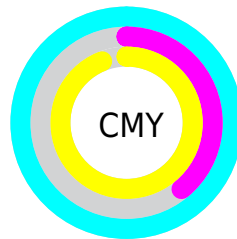


Cyan (100%)

Magenta (0%)

Yellow (90%)

Black (39%)



Cyan (100%)

Magenta (39%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9747, 23.8114, 4.4169 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 11.9747, 23.8114, 4.4169 by changing the saturation by 10% instead.

■ 11.9747, 23.8114,
4.4169

■ 11.9747, 23.8114,
4.4169

198.0111,
271.8656, 152.7523

■ 6.7985, 15.1938,
1.8567

■ 29.0663, 49.7223,
14.9604

■ 3.3816, 8.9555,
0.4650

■ 41.7124, 67.7843,
23.7808

■ 1.3586, 4.7122,
0.0000

■ 57.5792, 89.7632,
35.5250

■ 0.2265, 2.0794,
0.0000

■ 77.0321, 116.0435,
50.6116


■ 0.0000, 0.6530,
0.0000


■ 100.4363,
147.0095, 69.4590


■ 0.0000, 0.0000,
0.0000


■ 128.1573,


183.0455, 92.4859


 160.5605,
224.5361, 120.1108


 11.9747, 23.8114,
4.4169


 11.9747, 23.8114,
4.4169


 11.9752, 23.8124,
4.4174

 12.3190, 23.9738,
5.1477

 12.9000, 24.2483,
6.3062

 13.7984, 24.6760,
7.9471

 15.0514, 25.2753,
10.1155

 16.6910, 26.0617,
12.8512

■ 18.7458, 27.0491,
16.1901

■ 21.2413, 28.2502,
20.1654

■ 24.2013, 29.6765,
24.8077

■ 27.6478, 31.3387,
30.1457

Harmonies

Analogous

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



17.8283, 23.8114, 1.3681



11.9747, 23.8114, 4.4169



9.3694, 23.8114, 16.0941

Triad

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



11.9747, 23.8114, 4.4169



18.8711, 23.8114, 113.6835



44.1999, 23.8114, 13.7216

Complementary

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



11.9747, 23.8114, 4.4169



18.5181, 8.9911, 25.9563

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.



44.7039, 23.8114, 39.1182



11.9747, 23.8114, 4.4169



28.2293, 23.8114, 111.2355

Square

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



11.9747, 23.8114, 4.4169



12.5583, 23.8114, 83.7035



38.2530, 23.8114, 78.3297



37.0206, 23.8114, 3.6883

Rectangle

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



11.9747, 23.8114, 4.4169



9.1916, 23.8114, 32.6324



38.2530, 23.8114, 78.3297



45.2129, 23.8114, 20.2088

Sweetspot

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



11.9753, 23.8124, 4.4174



38.2859, 51.1675, 36.1618



23.2171, 29.6177, 4.4932



8.0183, 11.0635, 7.3127



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.



11.9753, 23.8124, 4.4174



21.7158, 43.2349, 7.8452



13.7774, 24.5332, 13.9073



6.5754, 7.4109, 7.1986



9.8700, 19.6159, 3.6723



0.1832, 0.3534, 0.1008

Inverse Universe

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



18.5181, 8.9911, 25.9563



33.5927, 16.3137, 46.9310



14.6651, 7.4499, 5.6664



6.8766, 6.7436, 8.2015



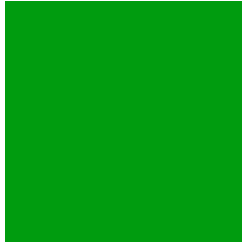
15.2596, 7.4084, 21.4159



0.2800, 0.1353, 0.4207

Previews

White Background



This preview shows how the XYZ color 11.9747, 23.8114, 4.4169 looks on a white background.

Color Contrast Check

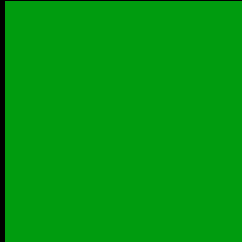
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9747, 23.8114, 4.4169 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

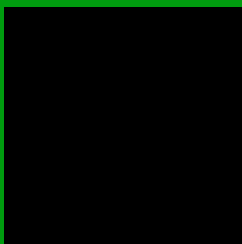
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

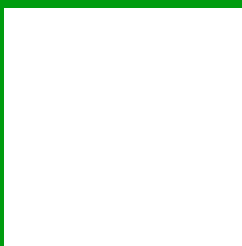
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.9747, 23.8114, 4.4169

Background



This preview shows how black text looks on a background with the XYZ color 11.9747, 23.8114, 4.4169.



This preview shows how white text looks on a background with the XYZ color 11.9747, 23.8114,

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

11.9747, 23.8114, 4.4169

Protanopia

21.1028, 23.5342, 3.4303

Deuteranopia

23.7156, 23.2646, 4.9096



Tritanopia

18.3912, 23.8089, 35.5246

Trichromacy



Original Color

11.9747, 23.8114, 4.4169



Protanomaly

14.4197, 21.7899, 3.5894



Deuteranomaly

15.0991, 21.0393, 4.3638



Tritanomaly

14.2117, 22.9862, 17.0524

Monochromacy



Original Color

11.9747, 23.8114, 4.4169



Achromatopsia

10.4043, 10.9462, 11.9204



Achromatomaly

9.0032, 13.8022, 7.1906

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9747, 23.8114, 4.4169 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, 15)` looks like.

```
.text, #text, p{  
    color:rgb(0, 156, 15)  
}
```

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, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 156, 15) }
```

Border

The CSS property to change the border of an element to XYZ 11.9747, 23.8114, 4.4169 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, 15) }
```


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

```
.border{ border-color:rgb(0, 156, 15) }
```

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, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 156, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 156, 15);  
box-shadow:4px 4px 4px 4px rgb(0, 156, 15)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.9747, 23.8114, 4.4169 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, 15) }
```

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

```
.background{ background-color: rgb(0, 156,  
15) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor