

Converting Colors

XYZ(11.9564, 23.0738, 3.8235)

Have a look what the booklet for
XYZ(11.9564, 23.0738, 3.8235)
contains.

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Color

**XYZ(11.9563, 23.0738,
3.8235)**

Conversions

Conversions Part 1

Format	Color
Hex	1F9900
RGB	31, 153, 0
RGB Percent	12%, 60%, 0%
CMY	0.8784, 0.4000, 1.0000
CMYK	0.80, 0.00, 1.00, 0.40
HSL	108°, 100%, 30%
HSV	108°, 100%, 60%
XYZ	11.9563, 23.0738, 3.8235
YIQ	99.0800, -23.5990, -73.4470

Conversions

Conversions Part 2

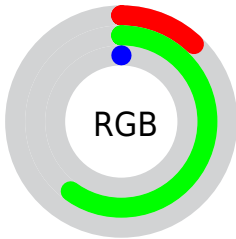
Format	Color
RYB	0, 153, 122
Decimal	2070784
CIELab	55.15, -56.15, 57.18
CIELCh	55, 80.134, 134.479
Yxy	23.0738, 0.3077, 0.5939
Android (android.graphics.Color)	4280260864 (0xFF1F9900)
YUV	99.0800, -48.8464, -59.7062
Hunter-Lab	48.0352, -39.6317, 28.9053

Details

The XYZ color **11.9563, 23.0738, 3.8235** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **13.7784, 6.4390, 30.6549**, and the grayscale version is **12.0043, 12.6295, 13.7535**.

A 20% lighter version of the original color is **29.1615, 48.7525, 13.6675**, and **4.5572, 9.1143, 1.5191** is the 20% darker color. If you saturate the color by 10%, you get **11.9565, 23.0746, 3.8237**, and if you desaturate by 10%, it is **12.4849, 23.3368, 4.3101**.

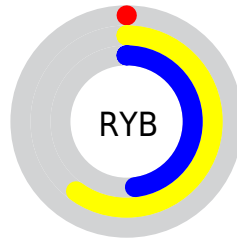
Distribution



Red (12%)

Green (60%)

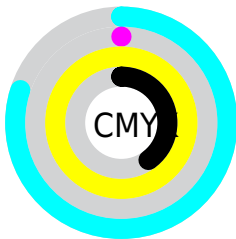
Blue (0%)



Red (0%)

Yellow (60%)

Blue (48%)

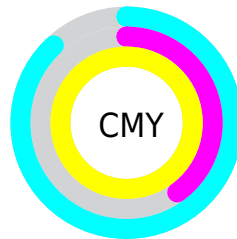


Cyan (80%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (88%)


Magenta (40%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.9563, 23.0738, 3.8235 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 11.9563, 23.0738, 3.8235 by changing the saturation by 10% instead.


 11.9563, 23.0738,
3.8235


 11.9563, 23.0738,
3.8235


197.8916,
268.1038, 146.2429


 6.7859, 14.6480,
1.5290


 29.0330, 48.5145,
13.6006


 3.3737, 8.5727,
0.2394


 41.6701, 66.2982,
21.9203

 1.3543, 4.4636,
0.0000

 57.5268, 87.9699,
33.0855

 0.2233, 1.9361,
0.0000

 76.9684, 113.9142,
47.5148


 0.0000, 0.5699,
0.0000


 100.3603,
144.5153, 65.6266


 0.0000, 0.0000,
0.0000


 128.0679,


180.1577, 87.8395


 160.4566,
221.2257, 114.5721


 11.9563, 23.0738,
3.8235


 11.9563, 23.0738,
3.8235


 11.9565, 23.0746,
3.8237

 12.4849, 23.3368,
4.3101

 13.2316, 23.7040,
5.1476

 14.2394, 24.1947,
6.4953

 15.5315, 24.8196,
8.4171

 17.1283, 25.5880,
10.9676

■ 19.0483, 26.5084,
14.1952

■ 21.3084, 27.5884,
18.1433

■ 23.9243, 28.8355,
22.8520

■ 26.9109, 30.2563,
28.3581

Harmonies

Analogous

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



17.9073, 23.0738, 1.2469



11.9563, 23.0738, 3.8235



9.1867, 23.0738, 14.1173

Triad

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



11.9563, 23.0738, 3.8235



17.6448, 23.0738, 108.6889



43.1432, 23.0738, 14.7144

Complementary

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



11.9563, 23.0738, 3.8235



13.7784, 6.4390, 30.6549

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.



43.0163, 23.0738, 40.7357



11.9563, 23.0738, 3.8235



26.5163, 23.0738, 109.3053

Square

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



11.9563, 23.0738, 3.8235



11.8094, 23.0738, 77.8185



36.3161, 23.0738, 79.1716



36.6264, 23.0738, 4.0068

Rectangle

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



11.9563, 23.0738, 3.8235



8.8689, 23.0738, 29.1680



36.3161, 23.0738, 79.1716



43.9226, 23.0738, 21.4712

Sweetspot

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



11.9568, 23.0748, 3.8240



37.8986, 49.2812, 32.0291



19.8365, 20.1707, 2.8482



8.0112, 10.7112, 6.4434



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.



11.9568, 23.0748, 3.8240



21.2867, 41.2577, 6.8416



11.8345, 22.9606, 6.1283



6.2433, 6.9829, 6.6246



9.9047, 19.0820, 3.1612



0.1731, 0.2982, 0.0484

Inverse Universe

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



13.7784, 6.4390, 30.6549



24.5188, 11.4504, 54.8898



15.9333, 7.8911, 15.3370



6.3387, 6.2605, 7.8033



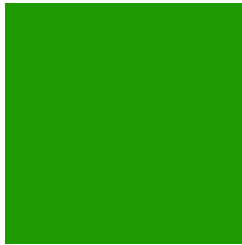
11.4142, 5.3353, 25.3359



0.1983, 0.0940, 0.3801

Previews

White Background



This preview shows how the XYZ color 11.9563, 23.0738, 3.8235 looks on a white background.

Color Contrast Check

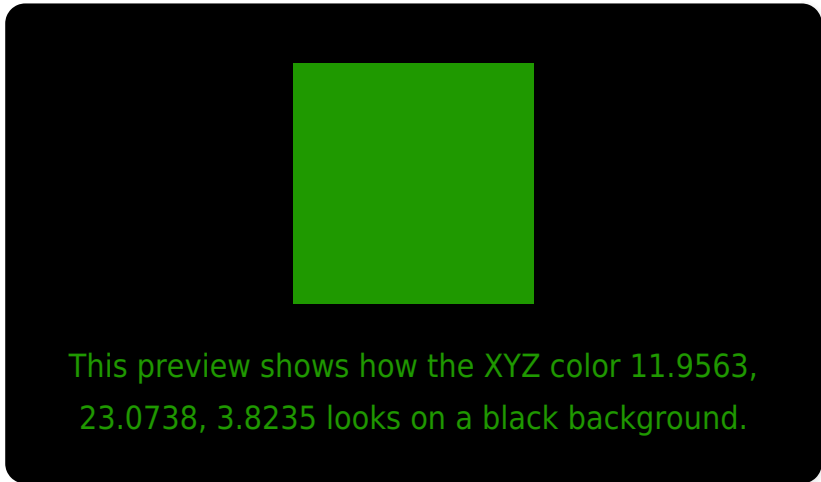
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

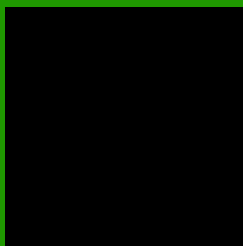
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.9563, 23.0738, 3.8235

Background



This preview shows how black text looks on a background with the XYZ color 11.9563, 23.0738, 3.8235.



This preview shows how white text looks on a background with the XYZ color 11.9563, 23.0738,

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

11.9563, 23.0738, 3.8235

Protanopia

20.4640, 22.7984, 3.3220

Deuteranopia

22.9992, 22.5244, 4.5743



Tritanopia

18.0315, 22.9812, 34.0573

Trichromacy



Original Color

11.9563, 23.0738, 3.8235

Protanomaly

15.2038, 21.7594, 3.3987

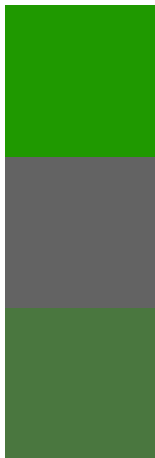
Deuteranomaly

16.0018, 21.0951, 3.9378

Tritanomaly

14.1144, 22.2804, 15.1119

Monochromacy



Original Color

11.9563, 23.0738, 3.8235

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.3181, 15.0084, 7.0557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9563, 23.0738, 3.8235 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(31, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(31, 153, 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(31, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.9563, 23.0738, 3.8235 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(31, 153, 0) }
```


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

```
.border{ border-color:rgb(31, 153, 0) }
```

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

Here you see how a box with a 4 pixel rgb(31, 153, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(31, 153, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.9563, 23.0738, 3.8235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 153, 0) }
```

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

```
.background{ background-color: rgb(31, 153,  
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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