

Converting Colors

XYZ(10.0056, 22.3306, 1.9259)

Have a look what the booklet for
XYZ(10.0056, 22.3306, 1.9259)
contains.

XYZ(11.5556, 23.1112, 3.8519)	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(11.5556, 23.1112,
3.8519)**

Conversions

Conversions Part 1

Format	Color
Hex	009A00
RGB	0, 154, 0
RGB Percent	0%, 60%, 0%
CMY	1.0000, 0.3961, 0.9999
CMYK	1.00, 0.00, 1.00, 0.40
HSL	120°, 100%, 30%
HSV	120°, 100%, 60%
XYZ	11.5556, 23.1112, 3.8519
YIQ	90.3980, -42.3500, -80.5420

Conversions

Conversions Part 2

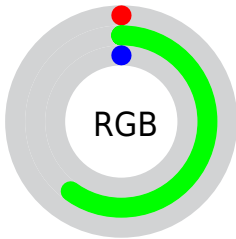
Format	Color
RYB	0, 154, 154
Decimal	39424
CIELab	55.19, -59.14, 57.08
CIELCh	55, 82.195, 136.016
Yxy	23.1112, 0.3000, 0.6000
Android (android.graphics.Color)	4278229504 (0xFF009A00)
YUV	90.3980, -44.5662, -79.2790
Hunter-Lab	48.0741, -41.2235, 28.9013

Details

The XYZ color **11.5556, 23.1112, 3.8519** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.1588, 9.2030, 31.3336**, and the grayscale version is **9.9127, 10.4290, 11.3571**.

A 20% lighter version of the original color is **28.3685, 48.7090, 13.7010**, and **4.6537, 9.3074, 1.5512** is the 20% darker color. If you saturate the color by 10%, you get **11.5561, 23.1122, 3.8524**, and if you desaturate by 10%, it is **11.8488, 23.2528, 4.3312**.

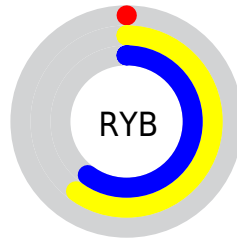
Distribution



Red (0%)

Green (60%)

Blue (0%)



Red (0%)

Yellow (60%)

Blue (60%)

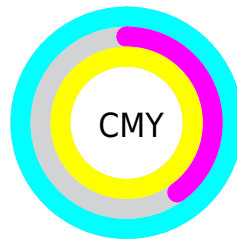


Cyan (100%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (100%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5556, 23.1112, 3.8519 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 11.5556, 23.1112, 3.8519 by changing the saturation by 10% instead.

■ 11.5556, 23.1112,
3.8519

■ 11.5556, 23.1112,
3.8519

195.2712,
268.2956, 146.5647

■ 6.5119, 14.6756,
1.5445

■ 28.3070, 48.5759,
13.6667

■ 3.2024, 8.5921,
0.2507

■ 40.7454, 66.3737,
22.0112

■ 1.2617, 4.4761,
0.0000

■ 56.3795, 88.0612,
33.2051

■ 0.1542, 1.9433,
0.0000

■ 75.5745, 114.0226,
47.6669


■ 0.0000, 0.5742,
0.0000


■ 98.6958, 144.6423,
65.8153


■ 0.0000, 0.0000,
0.0000


■ 126.1088,


180.3048, 88.0687


 158.1788,
221.3945, 114.8456


 11.5556, 23.1112,
3.8519


 11.5556, 23.1112,
3.8519

 11.5561, 23.1122,
3.8524

 11.8488, 23.2528,
4.3312

 12.3600, 23.4983,
5.1675

 13.1892, 23.8966,
6.5239

 14.3766, 24.4669,
8.4663

 15.9566, 25.2259,
11.0508

■ 17.9596, 26.1880,
14.3270

■ 20.4128, 27.3665,
18.3397

■ 23.3414, 28.7732,
23.1298

■ 26.7686, 30.4195,
28.7353

Harmonies

Analogous

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



17.4471, 23.1112, 1.1383



11.5556, 23.1112, 3.8519



8.9037, 23.1112, 14.8176

Triad

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



11.5556, 23.1112, 3.8519



17.9709, 23.1112, 113.0079



43.6779, 23.1112, 13.6339

Complementary

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



11.5556, 23.1112, 3.8519



19.1588, 9.2030, 31.3336

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.



43.9346, 23.1112, 39.4649



11.5556, 23.1112, 3.8519



27.2059, 23.1112, 111.7494

Square

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



11.5556, 23.1112, 3.8519



11.8465, 23.1112, 81.8855



37.2738, 23.1112, 79.1329



36.6476, 23.1112, 3.5004

Rectangle

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



11.5556, 23.1112, 3.8519



8.6724, 23.1112, 30.8434



37.2738, 23.1112, 79.1329



44.6142, 23.1112, 20.2287

Sweetspot

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



11.5561, 23.1122, 3.8524



36.7880, 49.5711, 32.8365



24.8830, 29.9824, 4.4757



7.9123, 11.0211, 6.7544



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.



11.5561, 23.1122, 3.8524



20.9918, 41.9834, 6.9978



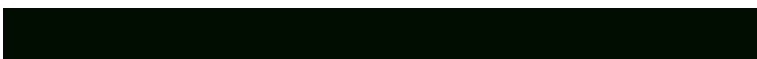
12.8957, 23.6480, 10.9063



6.1322, 6.9256, 6.6195



9.4147, 18.8293, 3.1386



0.1408, 0.2815, 0.0469

Inverse Universe

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



19.1588, 9.2030, 31.3336



34.8021, 16.7174, 56.9176



14.6666, 7.4061, 7.6780



6.4612, 6.3236, 7.8089



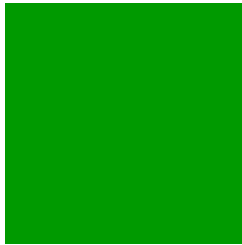
15.6085, 7.4977, 25.5273



0.2334, 0.1121, 0.3817

Previews

White Background



This preview shows how the XYZ color 11.5556, 23.1112, 3.8519 looks on a white background.

Color Contrast Check

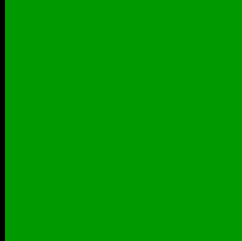
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.5556, 23.1112, 3.8519 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 11.5556, 23.1112, 3.8519

Background



This preview shows how black text looks on a background with the XYZ color 11.5556, 23.1112, 3.8519.



This preview shows how white text looks on a background with the XYZ color 11.5556, 23.1112,

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

11.5556, 23.1112, 3.8519

Protanopia

20.4640, 22.7984, 3.3220

Deuteranopia

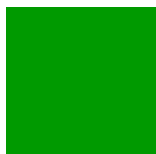
23.1252, 22.7764, 4.6163



Tritanopia

17.9188, 23.1353, 34.5315

Trichromacy



Original Color

11.5556, 23.1112, 3.8519



Protanomaly

13.9942, 21.1359, 3.3421



Deuteranomaly

14.7652, 20.6657, 3.9201



Tritanomaly

13.6003, 22.2397, 15.3803

Monochromacy



Original Color

11.5556, 23.1112, 3.8519



Achromatopsia

9.7181, 10.2242, 11.1341



Achromatomaly

8.3310, 12.9755, 5.9363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5556, 23.1112, 3.8519 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, 154, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 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(0, 154, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.5556, 23.1112, 3.8519 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, 154, 0) }
```


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

```
.border{ border-color:rgb(0, 154, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 154, 0); box-shadow:4px  
4px 4px 4px rgb(0, 154, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5556, 23.1112, 3.8519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 0) }
```

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

```
.background{ background-color: rgb(0, 154,  
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](#).

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