

Converting Colors

XYZ(11.9713, 23.5637, 4.3152)

Have a look what the booklet for
XYZ(11.9713, 23.5637, 4.3152)
contains.

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Color

**XYZ(11.9666, 23.5600,
4.3323)**

Conversions

Conversions Part 1

Format	Color
Hex	0D9B0E
RGB	13, 155, 14
RGB Percent	5%, 61%, 5%
CMY	0.9490, 0.3921, 0.9451
CMYK	0.92, 0.00, 0.91, 0.39
HSL	120°, 85%, 33%
HSV	120°, 92%, 61%
XYZ	11.9666, 23.5600, 4.3323
YIQ	96.4680, -39.3710, -73.9550

Conversions

Conversions Part 2

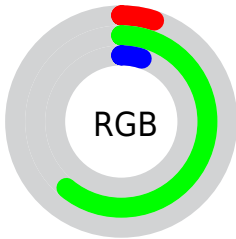
Format	Color
R_{YB}	13, 154, 155
Decimal	891662
CIE _{Lab}	55.64, -58.21, 55.25
CIE _{LCh}	56, 80.255, 136.497
Yxy	23.5600, 0.3002, 0.5911
Android (android.graphics.Color)	4279081742 (0xFF0D9B0E)
YUV	96.4680, -40.6567, -73.2014
Hunter-Lab	48.5386, -40.9357, 28.6851

Details

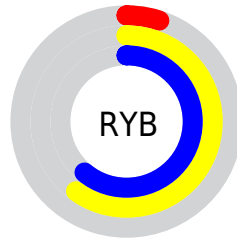
The XYZ color **11.9666, 23.5600, 4.3323** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **19.4941, 9.5895, 31.3918**, and the grayscale version is **11.3358, 11.9261, 12.9876**.

A 20% lighter version of the original color is **29.1130, 49.4375, 14.8455**, and **4.7514, 9.5027, 1.5838** is the 20% darker color. If you saturate the color by 10%, you get **11.7279, 23.4461, 3.9391**, and if you desaturate by 10%, it is **12.4413, 23.7884, 5.1244**.

Distribution



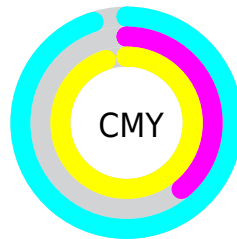
- Red (5%)
- Green (61%)
- Blue (5%)



- Red (5%)
- Yellow (60%)
- Blue (61%)



- Cyan (92%)
- Magenta (0%)
- Yellow (91%)
- Black (39%)



- Cyan (95%)
- Magenta (39%)
- Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9666, 23.5600, 4.3323 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 11.9666, 23.5600, 4.3323 by changing the saturation by 10% instead.

■ 11.9666, 23.5600,
4.3323

■ 11.9666, 23.5600,
4.3323

197.9585,
270.5884, 151.8502

■ 6.7930, 15.0076,
1.8094

■ 29.0516, 49.3112,
14.7692

■ 3.3781, 8.8247,
0.4341

■ 41.6938, 67.2788,
23.5202

■ 1.3567, 4.6270,
0.0000

■ 57.5561, 89.1535,
35.1843

■ 0.2251, 2.0301,
0.0000

■ 77.0040, 115.3198,
50.1800


■ 0.0000, 0.6249,
0.0000


■ 100.4029,
146.1620, 68.9259


■ 0.0000, 0.0000,
0.0000


■ 128.1180,


182.0646, 91.8406


 160.5147,
223.4119, 119.3425


 11.9666, 23.5600,
4.3323


 11.9666, 23.5600,
4.3323


 11.7279, 23.4461,
3.9391

 12.4413, 23.7884,
5.1244

 13.2302, 24.1670,
6.4289

 14.3757, 24.7170,
8.3132

 15.9131, 25.4554,
10.8341

 17.8738, 26.3972,
14.0416

■ 20.2856, 27.5558,
17.9810

■ 23.1742, 28.9437,
22.6933

■ 26.5633, 30.5721,
28.2168

■ 30.4751, 32.4517,
34.5871

Harmonies

Analogous

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



17.7921, 23.5600, 1.3750



11.9666, 23.5600, 4.3323



9.3454, 23.5600, 15.6597

Triad

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



11.9666, 23.5600, 4.3323



18.5590, 23.5600, 111.4545



43.6510, 23.5600, 13.9126

Complementary

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



11.9666, 23.5600, 4.3323



19.4941, 9.5895, 31.3918

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.



44.0206, 23.5600, 39.1880



11.9666, 23.5600, 4.3323



27.7258, 23.5600, 109.6632

Square

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



11.9666, 23.5600, 4.3323



12.3966, 23.5600, 81.6971



37.5939, 23.5600, 77.7620



36.6898, 23.5600, 3.7919

Rectangle

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



11.9666, 23.5600, 4.3323



9.1400, 23.5600, 31.7371



37.5939, 23.5600, 77.7620



44.6044, 23.5600, 20.4006

Sweetspot

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



11.9671, 23.5610, 4.3328



38.3363, 50.3125, 35.4783



25.3126, 30.4416, 4.9224



8.3239, 11.2182, 7.4537



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.



11.9671, 23.5610, 4.3328



20.9996, 41.9866, 7.0386



13.4881, 24.1694, 12.3420



6.1339, 6.9263, 6.6283



9.4201, 18.8315, 3.1670



0.1412, 0.2817, 0.0495

Inverse Universe

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



19.4941, 9.5895, 31.3918



34.6357, 16.6508, 56.0415



15.2623, 7.8968, 9.1076



6.4593, 6.3229, 7.7990



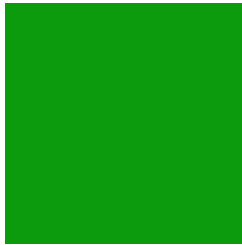
15.5360, 7.4686, 25.1452



0.2328, 0.1119, 0.3787

Previews

White Background



This preview shows how the XYZ color 11.9666, 23.5600, 4.3323 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 11.9666, 23.5600, 4.3323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

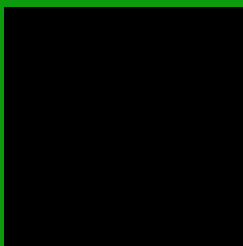
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 11.9666, 23.5600, 4.3323

Background



This preview shows how black text looks on a background with the XYZ color 11.9666, 23.5600, 4.3323.



This preview shows how white text looks on a background with the XYZ color 11.9666, 23.5600,

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

11.9666, 23.5600, 4.3323

Protanopia

20.7820, 23.1646, 3.3759

Deuteranopia

23.5052, 23.1561, 4.8998



Tritanopia

18.2208, 23.5051, 35.0291

Trichromacy



Original Color

11.9666, 23.5600, 4.3323



Protanomaly

14.8078, 21.7700, 3.5652



Deuteranomaly

15.5857, 21.2902, 4.3866



Tritanomaly

14.2609, 22.7836, 16.7428

Monochromacy



Original Color

11.9666, 23.5600, 4.3323



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.5914, 14.2742, 7.4039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9666, 23.5600, 4.3323 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(13, 155, 14)` looks like.

```
.text, #text, p{  
    color:rgb(13, 155, 14)  
}
```

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(13, 155, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 155, 14) }
```

Border

The CSS property to change the border of an element to XYZ 11.9666, 23.5600, 4.3323 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(13, 155, 14) }
```


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

```
.border{ border-color:rgb(13, 155, 14) }
```

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

Here you see how a box with a 4 pixel rgb(13, 155, 14) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 155, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 155, 14);  
box-shadow:4px 4px 4px 4px rgb(13, 155,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9666, 23.5600, 4.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 155, 14) }
```

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

```
.background{ background-color: rgb(13, 155,  
14) }
```

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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