

Converting Colors

XYZ(11.9351, 21.8757, 10.1275)

Have a look what the booklet for
XYZ(11.9351, 21.8757, 10.1275)
contains.

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Color

**XYZ(11.9835, 21.9893,
10.0913)**

Conversions

Conversions Part 1

Format	Color
Hex	00954A
RGB	0, 149, 74
RGB Percent	0%, 58%, 29%
CMY	1.0000, 0.4157, 0.7098
CMYK	1.00, 0.00, 0.50, 0.42
HSL	150°, 100%, 29%
HSV	150°, 100%, 58%
XYZ	11.9835, 21.9893, 10.0913
YIQ	95.8990, -64.7290, -54.9130

Conversions

Conversions Part 2

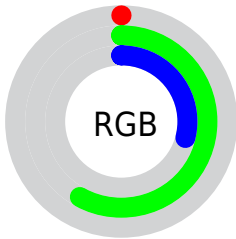
Format	Color
RYB	0, 100, 149
Decimal	38218
CIELab	54.02, -51.07, 30.21
CIELCh	54, 59.338, 149.398
Yxy	21.9893, 0.2720, 0.4990
Android (android.graphics.Color)	4278228298 (0xFF00954A)
YUV	95.8990, -10.7962, -84.1034
Hunter-Lab	46.8927, -36.4464, 20.0657

Details

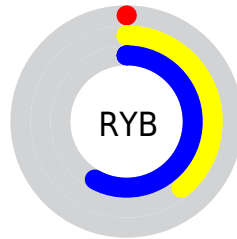
The XYZ color **11.9835, 21.9893, 10.0913** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.6653, 6.8981, 7.2695**, and the grayscale version is **11.1312, 11.7109, 12.7532**.

A 20% lighter version of the original color is **28.9773, 46.5723, 26.5309**, and **4.4725, 8.6285, 2.4667** is the 20% darker color. If you saturate the color by 10%, you get **11.9838, 21.9901, 10.0910**, and if you desaturate by 10%, it is **12.4475, 22.1981, 11.5123**.

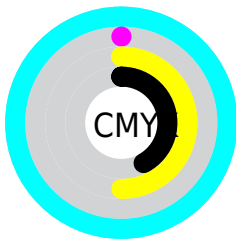
Distribution



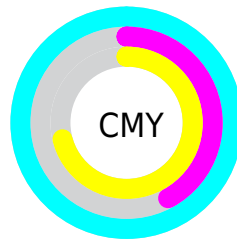
- Red (0%)
- Green (58%)
- Blue (29%)



- Red (0%)
- Yellow (39%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9835, 21.9893, 10.0913 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 11.9835, 21.9893, 10.0913 by changing the saturation by 10% instead.

■ 11.9835, 21.9893,
10.0913

■ 11.9835, 21.9893,
10.0913

198.0682,
262.4904, 201.8309

■ 6.8046, 13.8490,
5.3531

■ 29.0822, 46.7283,
26.5776

■ 3.3854, 8.0157,
2.3936

■ 41.7326, 64.0959,
39.1628

■ 1.3607, 4.1050,
0.7829

■ 57.6043, 85.3079,
55.2007

■ 0.2280, 1.7325,
0.0000

■ 77.0625, 110.7490,
75.1100

■ 0.0000, 0.4446,
0.0000

■ 100.4726,
140.8033, 99.3091

■ 0.0000, 0.0000,
0.0000

■ 128.2001,

175.8554, 128.2166

160.6101,
216.2896, 162.2510

■ 11.9835, 21.9893,
10.0913

■ 11.9835, 21.9893,
10.0913

■ 11.9838, 21.9901,
10.0910

■ 12.4475, 22.1981,
11.5123

■ 13.0810, 22.4902,
13.1034

■ 13.9519, 22.9008,
14.8732

■ 15.0867, 23.4438,
16.8277

■ 16.5084, 24.1307,
18.9725

■ 18.2372, 24.9719,
21.3131

■ 20.2914, 25.9768,
23.8546

■ 22.6880, 27.1539,
26.6018

■ 25.4425, 28.5113,
29.5595

Harmonies

Analogous

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



15.4139, 21.9893, 4.4749



11.9835, 21.9893, 10.0913



10.8375, 21.9893, 23.5735

Triad

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



11.9835, 21.9893, 10.0913



20.7709, 21.9893, 79.4440



33.5858, 21.9893, 10.4569

Complementary

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



11.9835, 21.9893, 10.0913



13.6653, 6.8981, 7.2695

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.



35.8102, 21.9893, 24.3156



11.9835, 21.9893, 10.0913



27.5546, 21.9893, 69.7570

Square

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



11.9835, 21.9893, 10.0913



15.2315, 21.9893, 69.0029



33.4084, 21.9893, 46.7893



27.8253, 21.9893, 4.5973

Rectangle

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



11.9835, 21.9893, 10.0913



11.2951, 21.9893, 37.6876



33.4084, 21.9893, 46.7893



34.8184, 21.9893, 14.0265

Sweetspot

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



11.9840, 21.9902, 10.0918



36.0946, 46.4001, 42.4288



13.8076, 23.0730, 3.7260



7.6768, 10.1250, 9.0119



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



11.9840, 21.9902, 10.0918



21.3699, 39.3437, 17.5933



15.9768, 23.5873, 31.1171



5.8425, 6.5136, 6.7814



10.1007, 18.5131, 8.5716



0.1385, 0.2325, 0.1830

Inverse Universe

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



13.6653, 6.8981, 7.2695



24.3805, 12.3163, 12.5377



12.4086, 6.3954, 0.6520



5.9153, 5.8612, 6.6599



11.5157, 5.8113, 6.1965



0.1558, 0.0771, 0.1541

Previews

White Background



This preview shows how the XYZ color 11.9835, 21.9893, 10.0913 looks on a white background.

Color Contrast Check

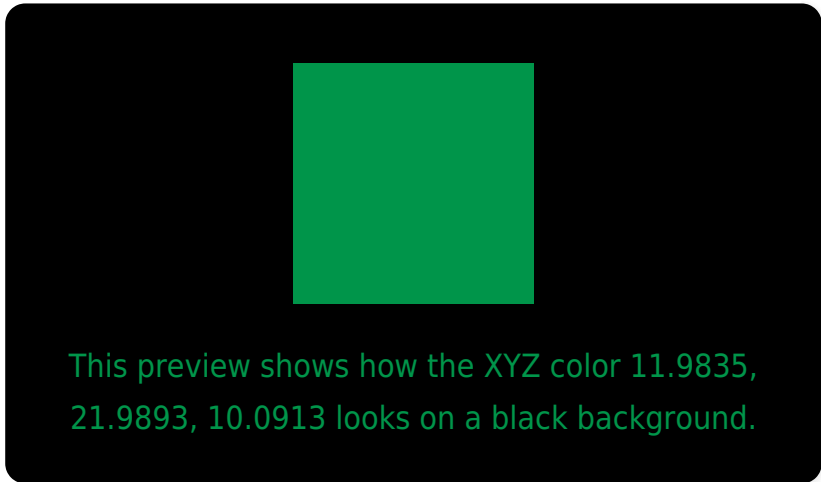
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9835, 21.9893, 10.0913

Background



This preview shows how black text looks on a background with the XYZ color 11.9835, 21.9893, 10.0913.



This preview shows how white text looks on a background with the XYZ color 11.9835, 21.9893,

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

11.9835, 21.9893, 10.0913

Protanopia

20.0187, 21.8565, 8.4738

Deuteranopia

22.0857, 21.7286, 10.8146



Tritanopia

16.7329, 21.8930, 33.0496

Trichromacy



Original Color

11.9835, 21.9893, 10.0913



Protanomaly

14.1261, 20.2242, 8.9535



Deuteranomaly

14.7720, 19.7052, 10.2327



Tritanomaly

14.1881, 21.4752, 22.4661

Monochromacy



Original Color

11.9835, 21.9893, 10.0913



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.8167, 13.9581, 11.4093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9835, 21.9893, 10.0913 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, 149, 74)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 74)  
}
```

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, 149, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 74) }
```

Border

The CSS property to change the border of an element to XYZ 11.9835, 21.9893, 10.0913 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, 149, 74) }
```


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

```
.border{ border-color:rgb(0, 149, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 149, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 74);  
box-shadow:4px 4px 4px 4px rgb(0, 149, 74)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.9835, 21.9893, 10.0913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 74) }
```

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

```
.background{ background-color: rgb(0, 149,  
74) }
```

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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