

Converting Colors

XYZ(10.8836, 21.2722, 5.1537)

Have a look what the booklet for
XYZ(10.8836, 21.2722, 5.1537)
contains.

XYZ(10.8933, 21.3012, 5.1275)	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(10.8933, 21.3012,
5.1275)**

Conversions

Conversions Part 1

Format	Color
Hex	009423
RGB	0, 148, 35
RGB Percent	0%, 58%, 14%
CMY	1.0000, 0.4196, 0.8627
CMYK	1.00, 0.00, 0.76, 0.42
HSL	134°, 100%, 29%
HSV	134°, 100%, 58%
XYZ	10.8933, 21.3012, 5.1275
YIQ	90.8660, -51.9350, -66.5190

Conversions

Conversions Part 2

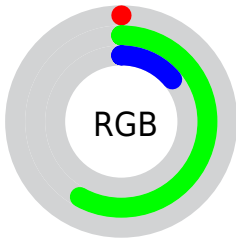
Format	Color
RYB	0, 120, 148
Decimal	37923
CIELab	53.28, -55.74, 47.22
CIELCh	53, 73.052, 139.729
Yxy	21.3012, 0.2919, 0.5707
Android (android.graphics.Color)	4278228003 (0xFF009423)
YUV	90.8660, -27.5419, -79.6895
Hunter-Lab	46.1532, -38.6377, 25.7203

Details

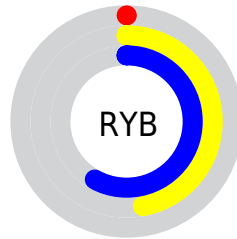
The XYZ color **10.8933, 21.3012, 5.1275** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.1939, 7.4885, 16.2675**, and the grayscale version is **9.9831, 10.5030, 11.4377**.

A 20% lighter version of the original color is **27.0479, 45.4427, 16.5783**, and **4.1829, 8.3657, 1.3943** is the 20% darker color. If you saturate the color by 10%, you get **10.8938, 21.3021, 5.1279**, and if you desaturate by 10%, it is **11.2833, 21.4803, 6.1677**.

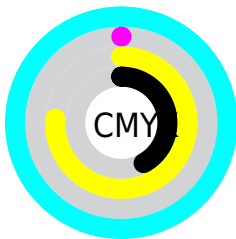
Distribution



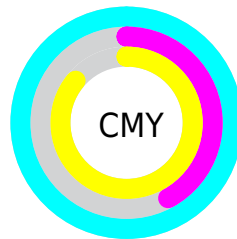
- Red (0%)
- Green (58%)
- Blue (14%)



- Red (0%)
- Yellow (47%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8933, 21.3012, 5.1275 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 10.8933, 21.3012, 5.1275 by changing the saturation by 10% instead.

■ 10.8933, 21.3012,
5.1275

■ 10.8933, 21.3012,
5.1275

190.8575,
258.8749, 160.0361

■ 6.0619, 13.3443,
2.2622

■ 27.0974, 45.5883,
16.5364

■ 2.9238, 7.6661,
0.7099

■ 39.2008, 62.6873,
25.9170

■ 1.1136, 3.8820,
0.0000

■ 54.4589, 83.6025,
38.3065

■ 0.0364, 1.6078,
0.0000

■ 73.2371, 108.7182,
54.1235

■ 0.0000, 0.3628,
0.0000

■ 95.9007, 138.4190,
73.7864

■ 0.0000, 0.0000,
0.0000

■ 122.8150,

173.0891, 97.7137

154.3455,
213.1129, 126.3241

■ 10.8933, 21.3012,
5.1275

■ 10.8933, 21.3012,
5.1275

■ 10.8938, 21.3021,
5.1279

■ 11.2833, 21.4803,
6.1677

■ 11.8679, 21.7522,
7.5235

■ 12.7176, 22.1536,
9.2204

■ 13.8616, 22.6989,
11.2798

■ 15.3248, 23.4007,
13.7210

■ 17.1297, 24.2702,
16.5623

■ 19.2966, 25.3174,
19.8204

■ 21.8441, 26.5516,
23.5113

■ 24.7896, 27.9815,
27.6502

Harmonies

Analogous

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



15.6329, 21.3012, 1.7717



10.8933, 21.3012, 5.1275



8.8624, 21.3012, 16.4032

Triad

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



10.8933, 21.3012, 5.1275



17.7107, 21.3012, 95.3208



37.7010, 21.3012, 11.5896

Complementary

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



10.8933, 21.3012, 5.1275



15.1939, 7.4885, 16.2675

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.



38.6690, 21.3012, 31.6383



10.8933, 21.3012, 5.1275



25.6879, 21.3012, 90.7364

Square

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



10.8933, 21.3012, 5.1275



12.0801, 21.3012, 73.1716



33.8315, 21.3012, 63.0088



31.4499, 21.3012, 3.5189

Rectangle

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



10.8933, 21.3012, 5.1275



8.8483, 21.3012, 31.1539



33.8315, 21.3012, 63.0088



38.7065, 21.3012, 16.7195

Sweetspot

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



10.8938, 21.3021, 5.1280



33.7984, 44.5494, 34.6044



17.4609, 24.7226, 3.8517



7.3670, 10.0011, 7.3806



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.



10.8938, 21.3021, 5.1280



19.1635, 37.5620, 8.7462



13.3258, 22.2749, 17.9345



5.7825, 6.4896, 6.4654



9.3140, 18.1984, 4.4289



0.1239, 0.2267, 0.1065

Inverse Universe

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



15.1939, 7.4885, 16.2675



26.7386, 13.1847, 28.3376



12.5873, 6.4458, 2.5412



5.9773, 5.8860, 6.9864



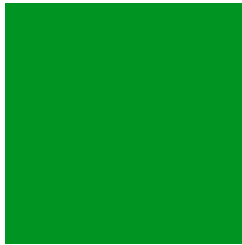
12.9883, 6.4004, 13.9515



0.1703, 0.0829, 0.2307

Previews

White Background



This preview shows how the XYZ color 10.8933, 21.3012, 5.1275 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 10.8933, 21.3012, 5.1275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

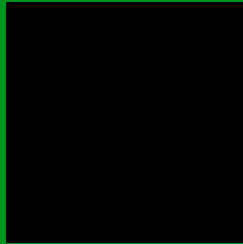
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.8933, 21.3012, 5.1275

Background



This preview shows how black text looks on a background with the XYZ color 10.8933, 21.3012, 5.1275.



This preview shows how white text looks on a background with the XYZ color 10.8933, 21.3012,

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

10.8933, 21.3012, 5.1275

Protanopia

18.9790, 21.0233, 4.2859

Deuteranopia

21.3301, 20.9073, 5.6006



Tritanopia

16.4378, 21.3390, 31.6862

Trichromacy



Original Color

10.8933, 21.3012, 5.1275



Protanomaly

13.1411, 19.6059, 4.4582



Deuteranomaly

13.7855, 18.9064, 5.2082



Tritanomaly

13.2165, 20.8600, 17.5172

Monochromacy



Original Color

10.8933, 21.3012, 5.1275



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

8.6764, 12.9428, 8.0022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8933, 21.3012, 5.1275 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, 148, 35)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 35)  
}
```

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, 148, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 35) }
```

Border

The CSS property to change the border of an element to XYZ 10.8933, 21.3012, 5.1275 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, 148, 35) }
```


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

```
.border{ border-color:rgb(0, 148, 35) }
```

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

Here you see how a box with a 4 pixel rgb(0, 148, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 35);  
box-shadow:4px 4px 4px 4px rgb(0, 148, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.8933, 21.3012, 5.1275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 35) }
```

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

```
.background{ background-color: rgb(0, 148,  
35) }
```

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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