

Converting Colors

XYZ(10.8187, 21.5262, 3.9470)

Have a look what the booklet for
XYZ(10.8187, 21.5262, 3.9470)
contains.

XYZ(10.8138, 21.5214, 3.9319)	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(10.8138, 21.5214,
3.9319)**

Conversions

Conversions Part 1	
Format	Color
Hex	00950C
RGB	0, 149, 12
RGB Percent	0%, 58%, 5%
CMY	1.0000, 0.4157, 0.9529
CMYK	1.00, 0.00, 0.92, 0.42
HSL	125°, 100%, 29%
HSV	125°, 100%, 58%
XYZ	10.8138, 21.5214, 3.9319
YIQ	88.8310, -44.8270, -74.1950

Conversions

Conversions Part 2

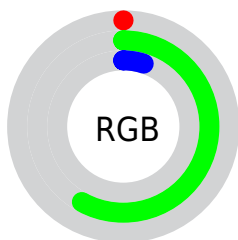
Format	Color
RYB	0, 138, 149
Decimal	38156
CIELab	53.52, -57.36, 53.75
CIELCh	54, 78.604, 136.860
Yxy	21.5214, 0.2982, 0.5934
Android (android.graphics.Color)	4278228236 (0xFF00950C)
YUV	88.8310, -37.8777, -77.9048
Hunter-Lab	46.3912, -39.5761, 27.4487

Details

The XYZ color **10.8138, 21.5214, 3.9319** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.9099, 8.1958, 24.3557**, and the grayscale version is **9.5470, 10.0442, 10.9382**.

A 20% lighter version of the original color is **26.8534, 45.7549, 13.8948**, and **4.1829, 8.3657, 1.3943** is the 20% darker color. If you saturate the color by 10%, you get **10.8143, 21.5223, 3.9323**, and if you desaturate by 10%, it is **11.1265, 21.6697, 4.5566**.

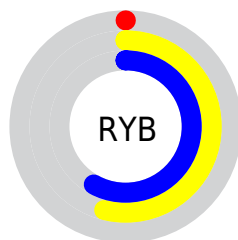
Distribution



Red (0%)

Green (58%)

Blue (5%)



Red (0%)

Yellow (54%)

Blue (58%)

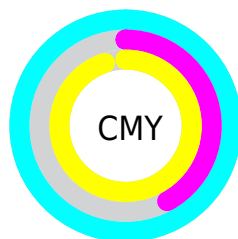


Cyan (100%)

Magenta (0%)

Yellow (92%)

Black (42%)



Cyan (100%)


Magenta (42%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.8138, 21.5214, 3.9319 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 10.8138, 21.5214, 3.9319 by changing the saturation by 10% instead.


 10.8138, 21.5214,
3.9319


 10.8138, 21.5214,
3.9319


190.3204,
260.0366, 147.4654


 6.0081, 13.5057,
1.5881


 26.9513, 45.9537,
13.8524


 2.8907, 7.7777,
0.2823


 39.0139, 63.1390,
22.2661


 1.0962, 3.9530,
0.0000


 54.2262, 84.1497,
33.5402

 0.0220, 1.6473,
0.0000

 72.9536, 109.3701,
48.0933


 0.0000, 0.3892,
0.0000


 95.5613, 139.1845,
66.3438


 0.0000, 0.0000,
0.0000


 122.4148,


173.9775, 88.7103


 153.8793,
214.1334, 115.6113


 10.8138, 21.5214,
3.9319


 10.8138, 21.5214,
3.9319

 10.8143, 21.5223,
3.9323

 11.1265, 21.6697,
4.5566

 11.6505, 21.9180,
5.5717

 12.4621, 22.3049,
7.0297

 13.5948, 22.8470,
8.9734

 15.0776, 23.5583,
11.4406

■ 16.9362, 24.4514,
14.4653

■ 19.1939, 25.5377,
18.0788

■ 21.8721, 26.8275,
22.3099

■ 24.9907, 28.3305,
27.1856

Harmonies

Analogous

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



16.1326, 21.5214, 1.2098



10.8138, 21.5214, 3.9319



8.4424, 21.5214, 14.4372

Triad

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



10.8138, 21.5214, 3.9319



17.0098, 21.5214, 103.1086



40.0533, 21.5214, 12.4434

Complementary

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



10.8138, 21.5214, 3.9319



16.9099, 8.1958, 24.3557

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.



40.4781, 21.5214, 35.5542



10.8138, 21.5214, 3.9319



25.4888, 21.5214, 101.0424

Square

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



10.8138, 21.5214, 3.9319



11.3042, 21.5214, 75.7422



34.5942, 21.5214, 71.2089



33.5558, 21.5214, 3.3225

Rectangle

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



10.8138, 21.5214, 3.9319



8.2738, 21.5214, 29.3828



34.5942, 21.5214, 71.2089



40.9627, 21.5214, 18.3463

Sweetspot

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



10.8143, 21.5223, 3.9324



34.1047, 45.6041, 31.9497



21.4069, 26.9906, 4.0815



7.2022, 9.9352, 6.5129



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.



10.8143, 21.5223, 3.9324



19.3380, 38.5309, 6.8934



12.3652, 22.1427, 12.0995



5.7474, 6.4756, 6.2810



9.1065, 18.1154, 3.3362



0.1152, 0.2232, 0.0606

Inverse Universe

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



16.9099, 8.1958, 24.3557



30.2510, 14.6646, 43.4514



13.3366, 6.7665, 5.5389



6.0154, 5.9012, 7.1871



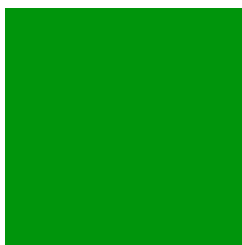
14.2366, 6.8997, 20.5247



0.1791, 0.0864, 0.2765

Previews

White Background



This preview shows how the XYZ color 10.8138, 21.5214, 3.9319 looks on a white background.

Color Contrast Check

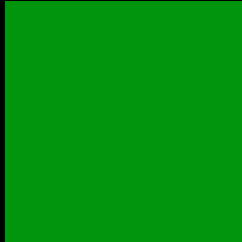
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8138, 21.5214, 3.9319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

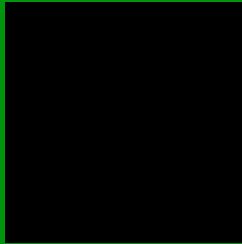
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.8138, 21.5214, 3.9319

Background



This preview shows how black text looks on a background with the XYZ color 10.8138, 21.5214, 3.9319.



This preview shows how white text looks on a background with the XYZ color 10.8138, 21.5214,

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

10.8138, 21.5214, 3.9319

Protanopia

19.2208, 21.3676, 3.1113

Deuteranopia

21.6233, 21.2638, 4.4780



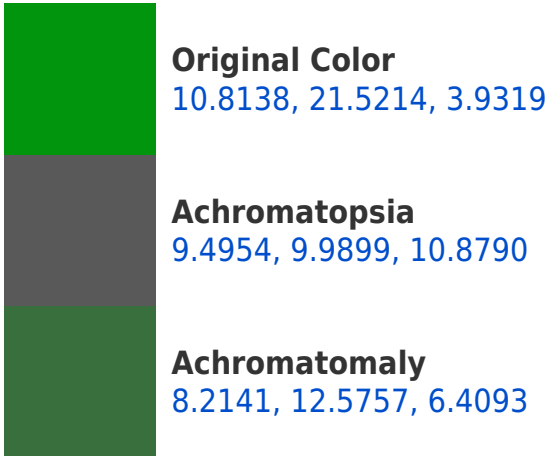
Tritanopia

16.7242, 21.6914, 32.1596

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8138, 21.5214, 3.9319 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 12) }
```

Border

The CSS property to change the border of an element to XYZ 10.8138, 21.5214, 3.9319 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, 12) }
```


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

```
.border{ border-color:rgb(0, 149, 12) }
```

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, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 12);  
box-shadow:4px 4px 4px 4px rgb(0, 149, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.8138, 21.5214, 3.9319 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, 12) }
```

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

```
.background{ background-color: rgb(0, 149,  
12) }
```

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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