

Converting Colors

XYZ(10.9885, 21.1459, 3.9424)

Have a look what the booklet for
XYZ(10.9885, 21.1459, 3.9424)
contains.

XYZ(10.9988, 21.1488, 3.9544)	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(10.9988, 21.1488,
3.9544)**

Conversions

Conversions Part 1

Format	Color
Hex	1C930F
RGB	28, 147, 15
RGB Percent	11%, 58%, 6%
CMY	0.8902, 0.4235, 0.9411
CMYK	0.81, 0.00, 0.90, 0.42
HSL	114°, 81%, 32%
HSV	114°, 90%, 58%
XYZ	10.9988, 21.1488, 3.9544
YIQ	96.3710, -28.5520, -66.2800

Conversions

Conversions Part 2

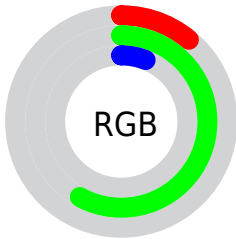
Format	Color
RYB	15, 147, 134
Decimal	1872655
CIELab	53.11, -54.24, 52.93
CIELCh	53, 75.786, 135.704
Yxy	21.1488, 0.3047, 0.5858
Android (android.graphics.Color)	4280062735 (0xFF1C930F)
YUV	96.3710, -40.1159, -59.9614
Hunter-Lab	45.9878, -37.7873, 27.0932

Details

The XYZ color **10.9988, 21.1488, 3.9544** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **15.2714, 7.5181, 28.2512**, and the grayscale version is **11.3087, 11.8976, 12.9565**.

A 20% lighter version of the original color is **27.2144, 45.2359, 13.9537**, and **4.0922, 8.1844, 1.3641** is the 20% darker color. If you saturate the color by 10%, you get **10.6287, 20.9684, 3.4960**, and if you desaturate by 10%, it is **11.5893, 21.4372, 4.7359**.

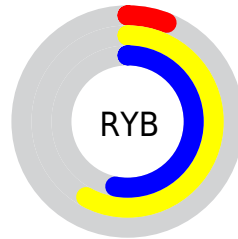
Distribution



Red (11%)

Green (58%)

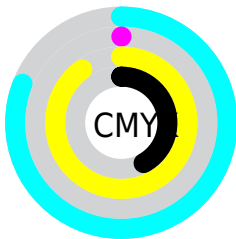
Blue (6%)



Red (6%)

Yellow (58%)

Blue (53%)

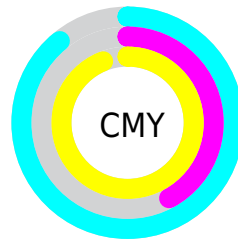


Cyan (81%)

Magenta (0%)

Yellow (90%)

Black (42%)



Cyan (89%)


Magenta (42%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.9988, 21.1488, 3.9544 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 10.9988, 21.1488, 3.9544 by changing the saturation by 10% instead.


 10.9988, 21.1488,
3.9544


 10.9988, 21.1488,
3.9544


191.5678,
258.0682, 147.7172


 6.1333, 13.2328,
1.6004


 27.2909, 45.3350,
13.9045


 2.9677, 7.5891,
0.2911


 39.4483, 62.3741,
22.3376


 1.1367, 3.8331,
0.0000

 54.7669, 83.2230,
33.6341

 0.0555, 1.5807,
0.0000

 73.6123, 108.2660,
48.2126

 0.0000, 0.3445,
0.0000

 96.3497, 137.8877,
66.4916

 0.0000, 0.0000,
0.0000

 123.3445,

172.4723, 88.8897

154.9621,
212.4044, 115.8254

10.9988, 21.1488,
3.9544

10.9988, 21.1488,
3.9544

10.6287, 20.9684,
3.4960

11.5893, 21.4372,
4.7359

10.6226, 20.9654,
3.4869

12.4451, 21.8516,
5.9854

13.5936, 22.4055,
7.7610

15.0583, 23.1101,
10.1122

16.8604, 23.9752,
13.0830

■ 19.0192, 25.0100,
16.7127

■ 21.5525, 26.2229,
21.0376

■ 24.4770, 27.6217,
26.0914

■ 27.8084, 29.2138,
31.9056

Harmonies

Analogous

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



16.2282, 21.1488, 1.3423



10.9988, 21.1488, 3.9544



8.5986, 21.1488, 13.7927

Triad

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



10.9988, 21.1488, 3.9544



16.5460, 21.1488, 97.2350



38.7824, 21.1488, 13.0649

Complementary

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



10.9988, 21.1488, 3.9544



15.2714, 7.5181, 28.2512

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.



38.9339, 21.1488, 35.6700



10.9988, 21.1488, 3.9544



24.5463, 21.1488, 96.5067

Square

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



10.9988, 21.1488, 3.9544



11.1781, 21.1488, 70.9626



33.2026, 21.1488, 69.3581



32.8315, 21.1488, 3.7232

Rectangle

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



10.9988, 21.1488, 3.9544



8.3740, 21.1488, 27.6762



33.2026, 21.1488, 69.3581



39.5573, 21.1488, 18.9308

Sweetspot

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



10.9993, 21.1497, 3.9549



35.0136, 45.2447, 31.5491



20.6174, 23.2337, 3.8502



7.6959, 10.1861, 6.6981



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.



10.9993, 21.1497, 3.9549



18.9504, 37.5074, 6.2409



11.6688, 21.3850, 8.9507



5.7794, 6.4941, 6.1893



9.2197, 18.1808, 3.0233



0.1233, 0.2279, 0.0375

Inverse Universe

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



15.2714, 7.5181, 28.2512



26.5394, 12.5920, 50.4663



14.2337, 7.3571, 11.3080



5.9797, 5.8805, 7.2896



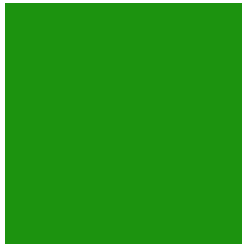
12.8996, 6.1226, 24.4329



0.1710, 0.0817, 0.2997

Previews

White Background



This preview shows how the XYZ color 10.9988, 21.1488, 3.9544 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 10.9988, 21.1488, 3.9544 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

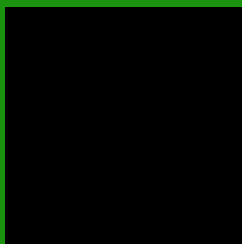
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 10.9988, 21.1488, 3.9544

Background



This preview shows how black text looks on a background with the XYZ color 10.9988, 21.1488, 3.9544.



This preview shows how white text looks on a background with the XYZ color 10.9988, 21.1488,

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

10.9988, 21.1488, 3.9544

Protanopia

18.6326, 20.6791, 3.0956

Deuteranopia

21.1058, 20.8175, 4.4192



Tritanopia

16.5377, 21.1877, 31.2350

Trichromacy



Original Color

10.9988, 21.1488, 3.9544



Protanomaly

13.9303, 19.8322, 3.2948



Deuteranomaly

14.7360, 19.4239, 4.0094



Tritanomaly

13.2413, 20.6999, 15.3542

Monochromacy



Original Color

10.9988, 21.1488, 3.9544



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.7424, 14.0063, 7.5002

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9988, 21.1488, 3.9544 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(28, 147, 15)` looks like.

```
.text, #text, p{  
    color:rgb(28, 147, 15)  
}
```

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(28, 147, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 147, 15) }
```

Border

The CSS property to change the border of an element to XYZ 10.9988, 21.1488, 3.9544 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(28, 147, 15) }
```


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

```
.border{ border-color:rgb(28, 147, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 147, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 147, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 147, 15);  
box-shadow:4px 4px 4px 4px rgb(28, 147,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9988, 21.1488, 3.9544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 147, 15) }
```

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

```
.background{ background-color: rgb(28, 147,  
15) }
```

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