

Converting Colors

XYZ(10.0596, 19.7139, 3.7008)

Have a look what the booklet for
XYZ(10.0596, 19.7139, 3.7008)
contains.

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Color

**XYZ(10.0828, 19.7700,
3.7000)**

Conversions

Conversions Part 1

Format	Color
Hex	0E8F0E
RGB	14, 143, 14
RGB Percent	5%, 56%, 5%
CMY	0.9451, 0.4392, 0.9451
CMYK	0.90, 0.00, 0.90, 0.44
HSL	120°, 82%, 31%
HSV	120°, 90%, 56%
XYZ	10.0828, 19.7700, 3.7000
YIQ	89.7230, -35.4750, -67.4670

Conversions

Conversions Part 2

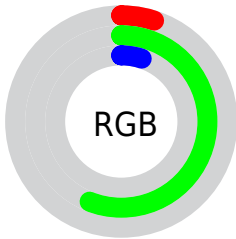
Format	Color
R_{YB}	14, 143, 143
Decimal	954126
CIE _{Lab}	51.58, -54.58, 51.73
CIE _{LCh}	52, 75.203, 136.538
Yxy	19.7700, 0.3005, 0.5892
Android (android.graphics.Color)	4279144206 (0xFF0E8F0E)
YUV	89.7230, -37.3314, -66.4091
Hunter-Lab	44.4635, -37.3333, 26.1906

Details

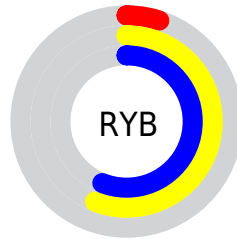
The XYZ color **10.0828, 19.7700, 3.7000** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **16.4426, 8.1369, 26.6877**, and the grayscale version is **9.7432, 10.2506, 11.1629**.

A 20% lighter version of the original color is **25.6131, 43.0429, 13.2615**, and **3.7411, 7.4822, 1.2470** is the 20% darker color. If you saturate the color by 10%, you get **9.8229, 19.6458, 3.2746**, and if you desaturate by 10%, it is **10.5232, 19.9822, 4.4203**.

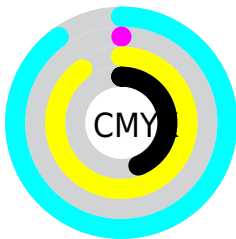
Distribution



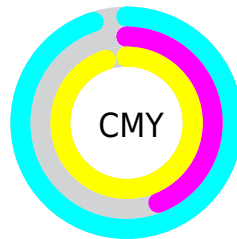
- Red (5%)
- Green (56%)
- Blue (5%)



- Red (5%)
- Yellow (56%)
- Blue (56%)



- Cyan (90%)
- Magenta (0%)
- Yellow (90%)
- Black (44%)





- Cyan (95%)
- Magenta (44%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.0828, 19.7700, 3.7000 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 10.0828, 19.7700, 3.7000 by changing the saturation by 10% instead.


 10.0828, 19.7700,
3.7000


 10.0828, 19.7700,
3.7000


185.3033,
250.6673, 144.8301


 5.5166, 12.2280,
1.4623


 25.5994, 43.0312,
13.3117


 2.5913, 6.8991,
0.1896


 37.2805, 59.5192,
21.5228


 0.9415, 3.3991,
0.0000

 52.0639, 79.7580,
32.5621

 0.0000, 1.3435,
0.0000

 70.3150, 104.1319,
46.8481


 0.0000, 0.1745,
0.0000


 92.3991, 133.0254,
64.7993


 0.0000, 0.0000,
0.0000


 118.6816,


166.8229, 86.8344


 149.5279,
205.9087, 113.3718


 10.0828, 19.7700,
3.7000


 10.0828, 19.7700,
3.7000


 9.8229, 19.6458,
3.2746

 10.5232, 19.9822,
4.4203

 11.2312, 20.3222,
5.5784

 12.2406, 20.8071,
7.2295

 13.5799, 21.4504,
9.4203

 15.2744, 22.2644,
12.1920

■ 17.3469, 23.2599,
15.5819

■ 19.8183, 24.4471,
19.6242

■ 22.7080, 25.8351,
24.3506

■ 26.0340, 27.4328,
29.7906

Harmonies

Analogous

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



14.9449, 19.7700, 1.1928



10.0828, 19.7700, 3.7000



7.8929, 19.7700, 13.2074

Triad

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



10.0828, 19.7700, 3.7000



15.6020, 19.7700, 92.8343



36.4812, 19.7700, 11.7077

Complementary

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



10.0828, 19.7700, 3.7000



16.4426, 8.1369, 26.6877

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.



36.7968, 19.7700, 32.7613



10.0828, 19.7700, 3.7000



23.2456, 19.7700, 91.3086

Square

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



10.0828, 19.7700, 3.7000



10.4519, 19.7700, 68.1680



31.4581, 19.7700, 64.8133



30.6857, 19.7700, 3.2322

Rectangle

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



10.0828, 19.7700, 3.7000



7.7229, 19.7700, 26.6294



31.4581, 19.7700, 64.8133



37.2767, 19.7700, 17.1205

Sweetspot

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



10.0833, 19.7708, 3.7004



32.1623, 42.1806, 29.6994



21.2303, 25.5173, 4.2218



7.0885, 9.5351, 6.3413



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



10.0833, 19.7708, 3.7004



17.5906, 35.1811, 5.8639



11.3971, 20.2964, 10.6190



5.3429, 6.0294, 5.7716



8.6850, 17.3699, 2.8953



0.0830, 0.1661, 0.0277

Inverse Universe

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



16.4426, 8.1369, 26.6877



29.1635, 14.0088, 47.6969



12.8783, 6.7112, 7.9187



5.6263, 5.5110, 6.7959



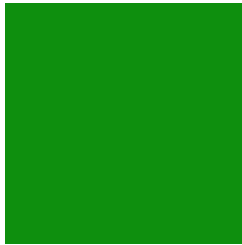
14.3988, 6.9166, 23.5494



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 10.0828, 19.7700, 3.7000 looks on a white background.

Color Contrast Check

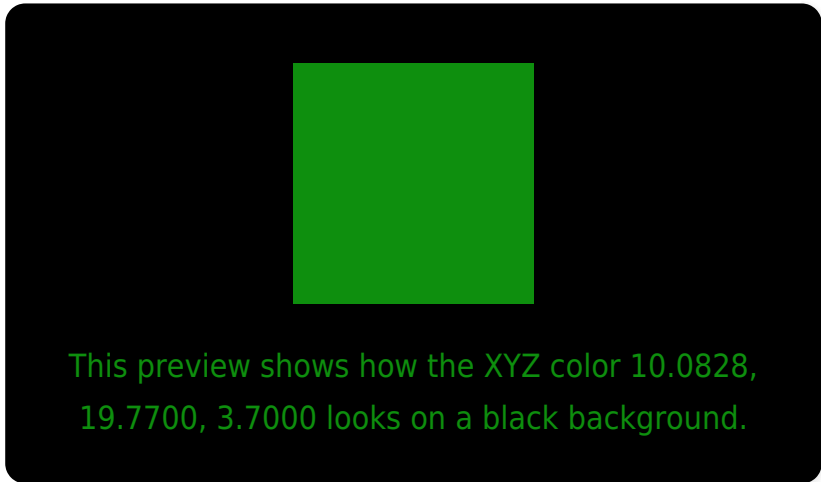
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0828, 19.7700, 3.7000

Background



This preview shows how black text looks on a background with the XYZ color 10.0828, 19.7700, 3.7000.



This preview shows how white text looks on a background with the XYZ color 10.0828, 19.7700,

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

10.0828, 19.7700, 3.7000

Protanopia

17.5642, 19.5692, 2.8515

Deuteranopia

19.8463, 19.4706, 4.1510



Tritanopia

15.3460, 19.7808, 29.3948

Trichromacy



Original Color

10.0828, 19.7700, 3.7000

Protanomaly

12.5242, 18.3034, 3.0164

Deuteranomaly

13.2408, 17.8799, 3.7306

Tritanomaly

12.1420, 19.2899, 14.3926

Monochromacy



Original Color

10.0828, 19.7700, 3.7000

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

8.3247, 12.3092, 6.4946

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0828, 19.7700, 3.7000 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(14, 143, 14)` looks like.

```
.text, #text, p{  
    color:rgb(14, 143, 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(14, 143, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 143, 14) }
```

Border

The CSS property to change the border of an element to XYZ 10.0828, 19.7700, 3.7000 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(14, 143, 14) }
```


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

```
.border{ border-color:rgb(14, 143, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 143, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 143, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 143, 14);  
box-shadow:4px 4px 4px 4px rgb(14, 143,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0828, 19.7700, 3.7000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 143, 14) }
```

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

```
.background{ background-color: rgb(14, 143,  
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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