

Converting Colors

XYZ(10.3639, 15.2066, 0.0000)

Have a look what the booklet for
XYZ(10.3639, 15.2066, 0.0000)
contains.

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Color

**XYZ(10.8133, 15.3673,
2.3963)**

Conversions

Conversions Part 1

Format	Color
Hex	5A7700
RGB	90, 119, 0
RGB Percent	35%, 47%, 0%
CMY	0.6471, 0.5333, 1.0000
CMYK	0.24, 0.00, 1.00, 0.53
HSL	75°, 100%, 23%
HSV	75°, 100%, 47%
XYZ	10.8133, 15.3673, 2.3963
YIQ	96.7630, 20.9150, -43.1570

Conversions

Conversions Part 2

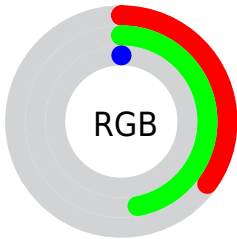
Format	Color
RYB	0, 119, 29
Decimal	5928704
CIELab	46.13, -25.54, 51.08
CIELCh	46, 57.108, 116.566
Yxy	15.3673, 0.3784, 0.5378
Android (android.graphics.Color)	4284118784 (0xFF5A7700)
YUV	96.7630, -47.7042, -5.9312
Hunter-Lab	39.2011, -19.3643, 23.8165

Details

The XYZ color **10.8133, 15.3673, 2.3963** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.8370, 1.5935, 17.5590**, and the grayscale version is **11.4144, 12.0088, 13.0776**.

A 20% lighter version of the original color is **26.9617, 35.4140, 10.1172**, and **3.0269, 4.8117, 0.7692** is the 20% darker color. If you saturate the color by 10%, you get **10.8134, 15.3679, 2.3964**, and if you desaturate by 10%, it is **11.1671, 15.5426, 2.7564**.

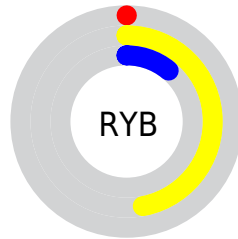
Distribution



Red (35%)

Green (47%)

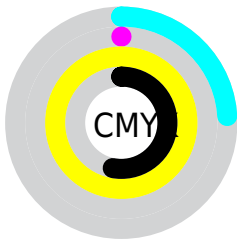
Blue (0%)



Red (0%)

Yellow (47%)

Blue (11%)

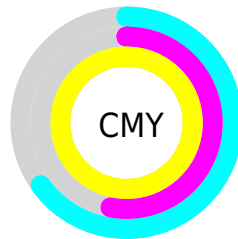


Cyan (24%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (65%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8133, 15.3673, 2.3963 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 10.8133, 15.3673, 2.3963 by changing the saturation by 10% instead.

■ 10.8133, 15.3673,
2.3963

■ 10.8133, 15.3673,
2.3963

190.3170,
225.5788, 128.2553

■ 6.0078, 9.0776,
0.7844

■ 26.9504, 35.4963,
10.0984

■ 2.8905, 4.7918,
0.0000

■ 39.0128, 50.1043,
17.0367

■ 1.0961, 2.1256,
0.0000

■ 54.2248, 68.2538,
26.5911

■ 0.0219, 0.6790,
0.0000

■ 72.9518, 90.3294,
39.1803


■ 0.0000, 0.0000,
0.0000


■ 95.5591, 116.7152,
55.2228


■ 122.4122,


147.7958, 75.1371


 153.8764,
183.9555, 99.3417


 10.8133, 15.3673,
2.3963


 10.8133, 15.3673,
2.3963


 10.8134, 15.3679,
2.3964

 11.1671, 15.5426,
2.7564

 11.5630, 15.7355,
3.2816

 12.0242, 15.9558,
4.0919

 12.5571, 16.2061,
5.2205

 13.1673, 16.4886,
6.6960

■ 13.8597, 16.8054,
8.5438

■ 14.6387, 17.1581,
10.7869

■ 15.5086, 17.5486,
13.4466

■ 16.4732, 17.9783,
16.5425

Harmonies

Analogous

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



15.1731, 15.3673, 1.7137



10.8133, 15.3673, 2.3963



8.1140, 15.3673, 5.8950

Triad

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



10.8133, 15.3673, 2.3963



10.0391, 15.3673, 50.4715



26.0592, 15.3673, 18.3872

Complementary

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



10.8133, 15.3673, 2.3963



3.8370, 1.5935, 17.5590

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.



23.8735, 15.3673, 36.2311



10.8133, 15.3673, 2.3963



14.0535, 15.3673, 60.1792

Square

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



10.8133, 15.3673, 2.3963



7.7415, 15.3673, 31.7797



19.1960, 15.3673, 53.8927



24.6586, 15.3673, 7.3913

Rectangle

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



10.8133, 15.3673, 2.3963



7.2727, 15.3673, 11.2535



19.1960, 15.3673, 53.8927



25.7093, 15.3673, 23.7513

Sweetspot

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



10.8137, 15.3680, 2.3966



26.0996, 30.6730, 18.9804



8.0181, 4.7420, 0.4929



6.0692, 7.2167, 4.1581



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.8137, 15.3680, 2.3966



19.2351, 27.4524, 4.2850



7.1848, 13.4973, 2.2268



3.8836, 4.2235, 3.9528



11.4793, 16.3221, 2.5455



55.1386, 79.1268, 12.3669

Inverse Universe

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



3.8370, 1.5935, 17.5590



6.7588, 2.7955, 31.4364



7.2859, 3.3715, 17.7204



3.5766, 3.6290, 4.6022



4.0683, 1.6886, 18.6541



19.1585, 7.8851, 90.8725

Previews

White Background



This preview shows how the XYZ color 10.8133, 15.3673, 2.3963 looks on a white background.

Color Contrast Check

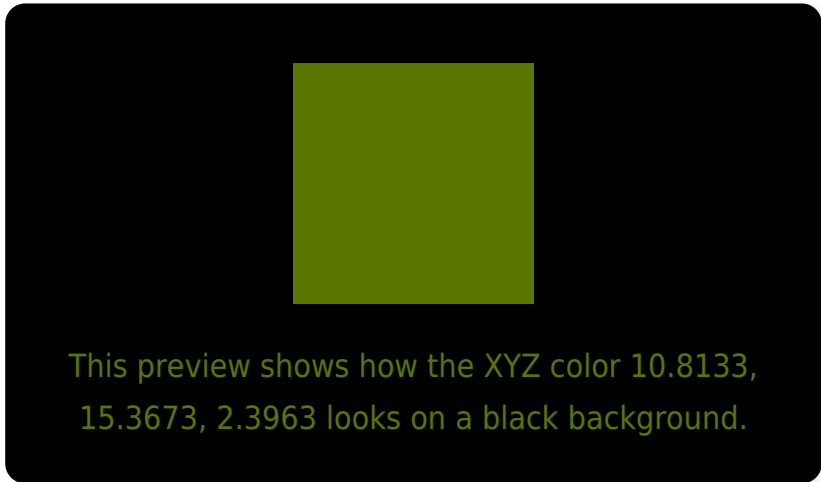
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

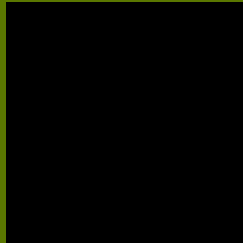
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.8133, 15.3673, 2.3963

Background



This preview shows how black text looks on a background with the XYZ color 10.8133, 15.3673, 2.3963.



This preview shows how white text looks on a background with the XYZ color 10.8133, 15.3673,

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

10.8133, 15.3673, 2.3963

Protanopia

13.6370, 15.1482, 2.2052

Deuteranopia

15.5764, 15.3618, 2.9032



Tritanopia

14.3810, 15.4675, 19.6803

Trichromacy



Original Color

10.8133, 15.3673, 2.3963

Protanomaly

12.4607, 15.1898, 2.2752

Deuteranomaly

13.4331, 15.0339, 2.6093

Tritanomaly

12.2516, 15.0978, 9.1059

Monochromacy



Original Color

10.8133, 15.3673, 2.3963

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.5372, 12.8306, 6.4786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8133, 15.3673, 2.3963 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(90, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(90, 119, 0)  
}
```

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(90, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 119, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.8133, 15.3673, 2.3963 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(90, 119, 0) }
```


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

```
.border{ border-color:rgb(90, 119, 0) }
```

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

Here you see how a box with a 4 pixel rgb(90, 119, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(90, 119, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.8133, 15.3673, 2.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 119, 0) }
```

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

```
.background{ background-color: rgb(90, 119,  
0) }
```

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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