

Converting Colors

XYZ(10.9427, 15.4310, 4.5979)

Have a look what the booklet for
XYZ(10.9427, 15.4310, 4.5979)
contains.

XYZ(10.9452, 15.3871, 4.5836)	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(10.9452, 15.3871,
4.5836)**

Conversions

Conversions Part 1

Format	Color
Hex	57772A
RGB	87, 119, 42
RGB Percent	34%, 47%, 16%
CMY	0.6588, 0.5333, 0.8353
CMYK	0.27, 0.00, 0.65, 0.53
HSL	85°, 48%, 32%
HSV	85°, 65%, 47%
XYZ	10.9452, 15.3871, 4.5836
YIQ	100.6540, 5.6450, -30.7310

Conversions

Conversions Part 2

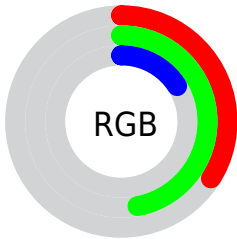
Format	Color
RYB	42, 119, 74
Decimal	5732138
CIELab	46.16, -24.67, 37.60
CIElCh	46, 44.971, 123.275
Yxy	15.3871, 0.3540, 0.4977
Android (android.graphics.Color)	4283922218 (0xFF57772A)
YUV	100.6540, -28.9164, -11.9746
Hunter-Lab	39.2264, -18.8400, 20.5304

Details

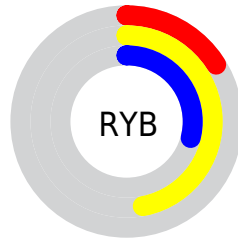
The XYZ color **10.9452, 15.3871, 4.5836** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **6.9825, 4.4441, 17.9435**, and the grayscale version is **12.3519, 12.9952, 14.1517**.

A 20% lighter version of the original color is **27.0987, 35.3701, 15.2964**, and **2.9895, 4.7924, 0.7675** is the 20% darker color. If you saturate the color by 10%, you get **10.3171, 15.0849, 3.6030**, and if you desaturate by 10%, it is **11.6689, 15.7323, 5.8996**.

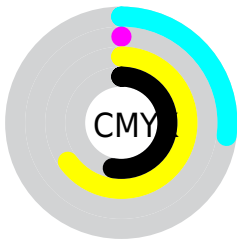
Distribution



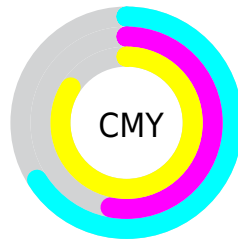
- Red (34%)
- Green (47%)
- Blue (16%)



- Red (16%)
- Yellow (47%)
- Blue (29%)



- Cyan (27%)
- Magenta (0%)
- Yellow (65%)
- Black (53%)





- Cyan (66%)
- Magenta (53%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.9452, 15.3871, 4.5836 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 10.9452, 15.3871, 4.5836 by changing the saturation by 10% instead.


 10.9452, 15.3871,
4.5836


 10.9452, 15.3871,
4.5836


191.2073,
225.6974, 154.5066


 6.0970, 9.0915,
1.9507


 27.1926, 35.5309,
15.3348


 2.9454, 4.8009,
0.5247

 39.3226, 50.1478,
24.2901


 1.1249, 2.1309,
0.0000

 54.6105, 68.3073,
36.1900

 0.0458, 0.6819,
0.0000

 73.4218, 90.3938,
51.4530

 0.0000, 0.0000,
0.0000

 96.1218, 116.7917,
70.4976

 123.0757,

147.8853, 93.7424

154.6491,
184.0591, 121.6059

■ 10.9452, 15.3871,
4.5836

■ 10.9452, 15.3871,
4.5836

■ 10.3171, 15.0849,
3.6030

■ 11.6689, 15.7323,
5.8996

■ 9.7772, 14.8210,
2.9264

■ 12.4930, 16.1208,
7.5770

■ 9.3162, 14.5921,
2.5065

■ 13.4228, 16.5555,
9.6401

■ 9.0901, 14.4795,
2.3157

■ 14.4632, 17.0383,
12.1110

■ 15.6187, 17.5709,
15.0100

■ 16.8933, 18.1553,
18.3562

■ 18.2910, 18.7929,
22.1675

■ 19.8155, 19.4854,
26.4606

■ 21.4703, 20.2341,
31.2517

Harmonies

Analogous

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



14.2083, 15.3871, 3.2870



10.9452, 15.3871, 4.5836



8.9842, 15.3871, 8.9464

Triad

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



10.9452, 15.3871, 4.5836



11.5568, 15.3871, 43.5339



23.2781, 15.3871, 15.5778

Complementary

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



10.9452, 15.3871, 4.5836



6.9825, 4.4441, 17.9435

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.



22.2379, 15.3871, 28.1413



10.9452, 15.3871, 4.5836



15.0497, 15.3871, 47.8634

Square

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



10.9452, 15.3871, 4.5836



9.2916, 15.3871, 31.1939



19.0489, 15.3871, 41.2964



21.6863, 15.3871, 7.6420

Rectangle

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



10.9452, 15.3871, 4.5836



8.4627, 15.3871, 14.4034



19.0489, 15.3871, 41.2964



23.2255, 15.3871, 19.3473

Sweetspot

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



10.9456, 15.3878, 4.5839



26.9525, 30.9959, 24.2994



10.3957, 8.8285, 3.3468



6.2732, 7.2930, 5.4734



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.



10.9456, 15.3878, 4.5839



17.9451, 26.7536, 5.7483



8.3159, 14.0321, 4.4609



3.8265, 4.1940, 3.9501



9.6461, 15.3771, 2.4597



46.0147, 74.4232, 11.9399

Inverse Universe

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



6.9825, 4.4441, 17.9435



10.2556, 5.4567, 31.7658



10.7517, 6.3873, 18.1199



3.6315, 3.6573, 4.6048



4.8965, 2.1156, 18.6928



22.9330, 9.8309, 91.0491

Previews

White Background



This preview shows how the XYZ color 10.9452, 15.3871, 4.5836 looks on a white background.

Color Contrast Check

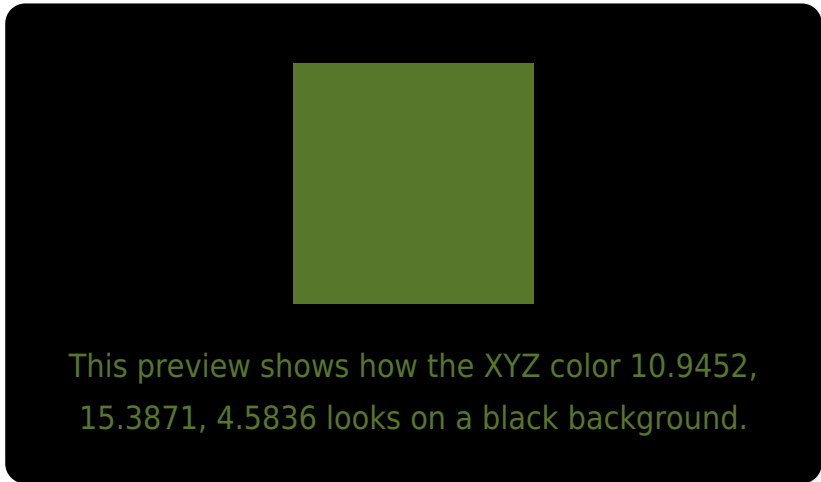
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9452, 15.3871, 4.5836

Background



This preview shows how black text looks on a background with the XYZ color 10.9452, 15.3871, 4.5836.



This preview shows how white text looks on a background with the XYZ color 10.9452, 15.3871,

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

10.9452, 15.3871, 4.5836

Protanopia

13.8609, 15.2213, 4.1269

Deuteranopia

15.4551, 15.2568, 4.8196



Tritanopia

14.0044, 15.2663, 19.9779

Trichromacy



Original Color

10.9452, 15.3871, 4.5836

Protanomaly

12.5948, 15.2147, 4.2804

Deuteranomaly

13.4135, 14.9783, 4.6668

Tritanomaly

12.4633, 15.1345, 12.3896

Monochromacy



Original Color

10.9452, 15.3871, 4.5836

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.6344, 13.7911, 9.6382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9452, 15.3871, 4.5836 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(87, 119, 42)` looks like.

```
.text, #text, p{  
    color:rgb(87, 119, 42)  
}
```

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(87, 119, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 119, 42) }
```

Border

The CSS property to change the border of an element to XYZ 10.9452, 15.3871, 4.5836 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(87, 119, 42) }
```


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

```
.border{ border-color:rgb(87, 119, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 119, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 119, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 119, 42);  
box-shadow:4px 4px 4px 4px rgb(87, 119,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9452, 15.3871, 4.5836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 119, 42) }
```

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

```
.background{ background-color: rgb(87, 119,  
42) }
```

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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