

Converting Colors

XYZ(15.5394, 20.1247, 4.5302)

Have a look what the booklet for
XYZ(15.5394, 20.1247, 4.5302)
contains.

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Color

**XYZ(15.4610, 19.9872,
4.4819)**

Conversions

Conversions Part 1

Format	Color
Hex	738321
RGB	115, 131, 33
RGB Percent	45%, 51%, 13%
CMY	0.5490, 0.4863, 0.8706
CMYK	0.12, 0.00, 0.75, 0.49
HSL	70°, 60%, 32%
HSV	70°, 75%, 51%
XYZ	15.4610, 19.9872, 4.4819
YIQ	115.0440, 21.9220, -33.8700

Conversions

Conversions Part 2

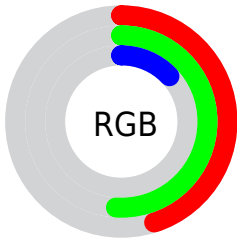
Format	Color
R_{YB}	33, 131, 49
Decimal	7570209
CIE _{Lab}	51.82, -19.40, 47.88
CIE _{LCh}	52, 51.660, 112.054
Yxy	19.9872, 0.3872, 0.5006
Android (android.graphics.Color)	4285760289 (0xFF738321)
YUV	115.0440, -40.4477, -0.0386
Hunter-Lab	44.7070, -16.5068, 25.3511

Details

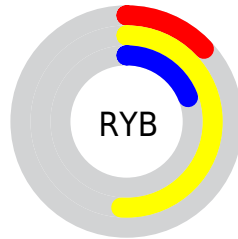
The XYZ color **15.4610, 19.9872, 4.4819** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.9079, 3.3799, 21.8149**, and the grayscale version is **16.4237, 17.2791, 18.8169**.

A 20% lighter version of the original color is **35.1424, 43.3719, 15.1137**, and **5.0672, 7.0913, 1.1017** is the 20% darker color. If you saturate the color by 10%, you get **15.0342, 19.7851, 3.6838**, and if you desaturate by 10%, it is **15.9667, 20.2231, 5.6575**.

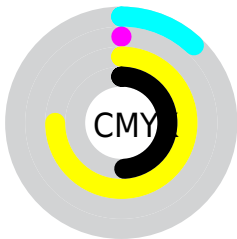
Distribution



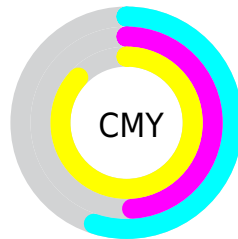
- Red (45%)
- Green (51%)
- Blue (13%)



- Red (13%)
- Yellow (51%)
- Blue (19%)



- Cyan (12%)
- Magenta (0%)
- Yellow (75%)
- Black (49%)



- Cyan (55%)
- Magenta (49%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4610, 19.9872, 4.4819 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 15.4610, 19.9872, 4.4819 by changing the saturation by 10% instead.

■ 15.4610, 19.9872,
4.4819

■ 15.4610, 19.9872,
4.4819

219.4733,
251.8458, 153.4399

■ 9.2320, 12.3857,
1.8933

■ 35.2250, 43.3957,
15.1067

■ 4.9511, 7.0070,
0.4884

■ 49.4906, 59.9716,
23.9800

■ 2.2531, 3.4664,
0.0000

■ 67.1659, 80.3077,
35.7853

■ 0.7705, 1.3798,
0.0000

■ 88.6160, 104.7884,
50.9410

■ 0.0000, 0.2018,
0.0000

■ 114.2065,
133.7982, 69.8658

■ 0.0000, 0.0000,
0.0000

■ 144.3026,

167.7215, 92.9782

179.2698,
206.9425, 120.6967

■ 15.4610, 19.9872,
4.4819

■ 15.4610, 19.9872,
4.4819

■ 15.0342, 19.7851,
3.6838

■ 15.9667, 20.2231,
5.6575

■ 14.6745, 19.6098,
3.2070

■ 16.5575, 20.4930,
7.2484

■ 14.4987, 19.5235,
3.0043

■ 17.2402, 20.8005,
9.2894

■ 18.0209, 21.1480,
11.8111

■ 18.9048, 21.5375,
14.8416

■ 19.8968, 21.9710,
18.4066

■ 21.0017, 22.4505,
22.5303

■ 22.2238, 22.9776,
27.2352

■ 23.5671, 23.5540,
32.5428

Harmonies

Analogous

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



20.4237, 19.9872, 3.8724



15.4610, 19.9872, 4.4819



12.1105, 19.9872, 8.4084

Triad

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



15.4610, 19.9872, 4.4819



13.4529, 19.9872, 53.3529



30.8194, 19.9872, 25.9982

Complementary

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



15.4610, 19.9872, 4.4819



5.9079, 3.3799, 21.8149

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.



28.0975, 19.9872, 44.7533



15.4610, 19.9872, 4.4819



17.6388, 19.9872, 64.6510

Square

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



15.4610, 19.9872, 4.4819



11.1083, 19.9872, 34.4888



23.0353, 19.9872, 60.9354



29.9438, 19.9872, 12.6296

Rectangle

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



15.4610, 19.9872, 4.4819



10.9365, 19.9872, 14.0304



23.0353, 19.9872, 60.9354



30.2795, 19.9872, 31.9143

Sweetspot

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



15.4615, 19.9881, 4.4823



34.2436, 38.7384, 27.9581



10.6800, 7.0251, 2.2322



7.8828, 8.9797, 6.1919



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.4615, 19.9881, 4.4823



26.4442, 35.1970, 5.9338



10.7269, 17.5474, 4.2607



4.9671, 5.3856, 5.0071



14.2729, 19.2179, 2.9572



0.0544, 0.0691, 0.0105

Inverse Universe

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



5.9079, 3.3799, 21.8149



8.5010, 3.8345, 38.7452



9.5392, 5.2518, 21.9848



4.5001, 4.5784, 5.8473



4.3469, 1.7751, 21.2502



0.0192, 0.0083, 0.0738

Previews

White Background



This preview shows how the XYZ color 15.4610, 19.9872, 4.4819 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 15.4610, 19.9872, 4.4819 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 15.4610, 19.9872, 4.4819

Background



This preview shows how black text looks on a background with the XYZ color 15.4610, 19.9872, 4.4819.



This preview shows how white text looks on a background with the XYZ color 15.4610, 19.9872,

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

15.4610, 19.9872, 4.4819

Protanopia

18.1024, 20.0032, 4.2032

Deuteranopia

20.2451, 19.8376, 4.6815



Tritanopia

19.5818, 19.9450, 24.6475

Trichromacy



Original Color

15.4610, 19.9872, 4.4819

Protanomaly

17.0560, 20.0289, 4.3335

Deuteranomaly

18.1087, 19.6281, 4.5844

Tritanomaly

17.3301, 19.5767, 13.9316

Monochromacy



Original Color

15.4610, 19.9872, 4.4819

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.5473, 17.9755, 11.2445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4610, 19.9872, 4.4819 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(115, 131, 33)` looks like.

```
.text, #text, p{  
    color:rgb(115, 131, 33)  
}
```

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(115, 131, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 131, 33) }
```

Border

The CSS property to change the border of an element to XYZ 15.4610, 19.9872, 4.4819 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(115, 131, 33) }
```


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

```
.border{ border-color:rgb(115, 131, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 131, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 131, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 131, 33);  
box-shadow:4px 4px 4px 4px rgb(115, 131,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4610, 19.9872, 4.4819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 131, 33) }
```

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

```
.background{ background-color: rgb(115,  
131, 33) }
```

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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