

Converting Colors

XYZ(15.8857, 10.4017, 4.9247)

Have a look what the booklet for
XYZ(15.8857, 10.4017, 4.9247)
contains.

XYZ(15.9881, 10.4814, 4.9218)	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(15.9881, 10.4814,
4.9218)**

Conversions

Conversions Part 1

Format	Color
Hex	9C3B38
RGB	156, 59, 56
RGB Percent	61%, 23%, 22%
CMY	0.3882, 0.7686, 0.7804
CMYK	0.00, 0.62, 0.64, 0.39
HSL	2°, 47%, 42%
HSV	2°, 64%, 61%
XYZ	15.9881, 10.4814, 4.9218
YIQ	87.6610, 58.7750, 19.6310

Conversions

Conversions Part 2

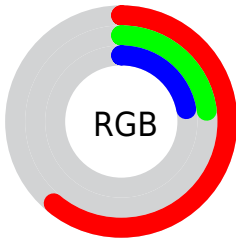
Format	Color
R_{YB}	156, 59, 56
Decimal	10238776
CIE Lab	38.69, 40.26, 23.05
CIE LCh	39, 46.396, 29.794
Yxy	10.4814, 0.5093, 0.3339
Android (android.graphics.Color)	4288428856 (0xFF9C3B38)
YUV	87.6610, -15.6089, 59.9333
Hunter-Lab	32.3750, 31.4944, 13.6489

Details

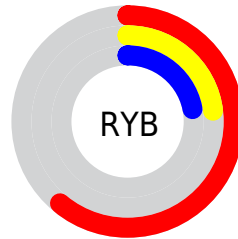
The XYZ color **15.9881, 10.4814, 4.9218** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.0219, 26.0215, 35.4725**, and the grayscale version is **9.2264, 9.7068, 10.5708**.

A 20% lighter version of the original color is **36.0484, 26.5782, 16.0621**, and **5.2249, 2.6844, 0.6582** is the 20% darker color. If you saturate the color by 10%, you get **14.9961, 9.0159, 2.9932**, and if you desaturate by 10%, it is **17.3249, 12.4465, 7.5520**.

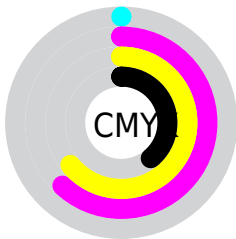
Distribution



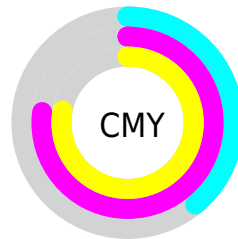
- Red (61%)
- Green (23%)
- Blue (22%)



- Red (61%)
- Yellow (23%)
- Blue (22%)



- Cyan (0%)
- Magenta (62%)
- Yellow (64%)
- Black (39%)



- Cyan (39%)
- Magenta (77%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9881, 10.4814, 4.9218 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 15.9881, 10.4814, 4.9218 by changing the saturation by 10% instead.

15.9881, 10.4814,
4.9218

15.9881, 10.4814,
4.9218

222.5433,
194.0742, 157.9780

9.6065, 5.7193,
2.1435

36.1352, 26.6971,
16.0854

5.1991, 2.6752,
0.6415

50.6314, 38.9195,
25.3077

2.4005, 0.9646,
0.0000

68.5631, 54.3974,
37.5152

0.8454, 0.0000,
0.0000

90.2959, 73.5153,
53.1263

0.0000, 0.0000,
0.0000

116.1949, 96.6576,
72.5596

146.6255,

124.2085, 96.2336

181.9532,
156.5526, 124.5669

■ 15.9881, 10.4814,
4.9218

■ 15.9881, 10.4814,
4.9218

■ 14.9961, 9.0159,
2.9932

■ 17.3249, 12.4465,
7.5520

■ 14.3167, 8.0035,
1.6987

■ 19.0335, 14.9488,
10.9420

■ 13.9125, 7.3918,
0.9577

■ 21.1390, 18.0244,
15.1444

■ 13.7611, 7.1697,
0.6586

■ 23.6642, 21.7057,
20.2069

■ 26.6302, 26.0228,
26.1737

■ 30.0564, 31.0036,
33.0858

■ 33.9614, 36.6745,
40.9818

■ 38.3625, 43.0605,
49.8982

■ 43.2764, 50.1852,
59.8694

Harmonies

Analogous

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



17.0777, 10.4814, 11.4731



15.9881, 10.4814, 4.9218



13.2242, 10.4814, 2.1672

Triad

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



15.9881, 10.4814, 4.9218



5.6945, 10.4814, 4.8622



9.9411, 10.4814, 37.9051

Complementary

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



15.9881, 10.4814, 4.9218



19.0219, 26.0215, 35.4725

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.



7.2864, 10.4814, 33.0383



15.9881, 10.4814, 4.9218



5.1620, 10.4814, 11.3521

Square

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



15.9881, 10.4814, 4.9218



7.3161, 10.4814, 2.1473



5.6800, 10.4814, 21.9958



13.1800, 10.4814, 33.1614

Rectangle

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



15.9881, 10.4814, 4.9218



11.0412, 10.4814, 1.5658



5.6800, 10.4814, 21.9958



8.9560, 10.4814, 37.3151

Sweetspot

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



15.9883, 10.4820, 4.9220



45.4252, 42.9827, 41.6143



20.9850, 12.2405, 31.9741



9.6878, 9.0100, 8.5382



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.9883, 10.4820, 4.9220



26.6254, 15.4661, 4.2628



19.7515, 18.0084, 6.1764



6.6483, 6.6765, 6.9240



11.3397, 5.9150, 0.5440



0.2069, 0.1141, 0.0111

Inverse Universe

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



19.0219, 26.0215, 35.4725



32.5552, 45.9372, 64.2777



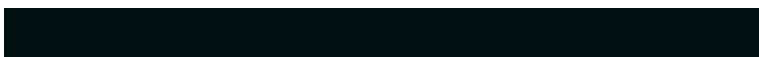
12.6156, 13.2089, 33.3370



6.8048, 7.4753, 8.4909



14.1043, 20.3001, 29.0822



0.2570, 0.3725, 0.5216

Previews

White Background



This preview shows how the XYZ color 15.9881, 10.4814, 4.9218 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 15.9881, 10.4814, 4.9218

Background



This preview shows how black text looks on a background with the XYZ color 15.9881, 10.4814, 4.9218.



This preview shows how white text looks on a background with the XYZ color 15.9881, 10.4814,

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

15.9881, 10.4814, 4.9218

Protanopia

9.9383, 10.6806, 7.1680

Deuteranopia

10.7694, 10.6632, 4.6226



Tritanopia

16.0929, 10.4418, 5.7247

Trichromacy



Original Color

15.9881, 10.4814, 4.9218

Protanomaly

11.4018, 10.0294, 6.1854

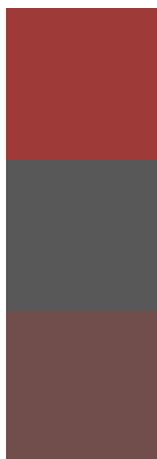
Deuteranomaly

12.1986, 10.1540, 4.6851

Tritanomaly

16.0390, 10.4203, 5.4409

Monochromacy



Original Color

15.9881, 10.4814, 4.9218

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.7684, 9.3403, 8.0728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9881, 10.4814, 4.9218 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(156, 59, 56)` looks like.

```
.text, #text, p{  
    color:rgb(156, 59, 56)  
}
```

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(156, 59, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 59, 56) }
```

Border

The CSS property to change the border of an element to XYZ 15.9881, 10.4814, 4.9218 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(156, 59, 56) }
```


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

```
.border{ border-color:rgb(156, 59, 56) }
```

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

Here you see how a box with a 4 pixel rgb(156, 59, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 59, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 59, 56);  
box-shadow:4px 4px 4px 4px rgb(156, 59,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9881, 10.4814, 4.9218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 59, 56) }
```

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

```
.background{ background-color: rgb(156, 59,  
56) }
```

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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