

Converting Colors

XYZ(19.3933, 16.8972, 9.3245)

Have a look what the booklet for
XYZ(19.3933, 16.8972, 9.3245)
contains.

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Color

**XYZ(19.4174, 16.9086,
9.2615)**

Conversions

Conversions Part 1

Format	Color
Hex	9A664D
RGB	154, 102, 77
RGB Percent	60%, 40%, 30%
CMY	0.3961, 0.6000, 0.6980
CMYK	0.00, 0.34, 0.50, 0.40
HSL	19°, 33%, 45%
HSV	19°, 50%, 60%
XYZ	19.4174, 16.9086, 9.2615
YIQ	114.6980, 39.0170, 3.2490

Conversions

Conversions Part 2

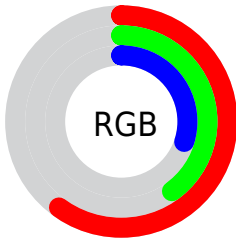
Format	Color
R_{YB}	154, 114, 77
Decimal	10118733
CIE Lab	48.14, 17.99, 22.64
CIE LCh	48, 28.917, 51.520
Yxy	16.9086, 0.4259, 0.3709
Android (android.graphics.Color)	4288308813 (0xFF9A664D)
YUV	114.6980, -18.5851, 34.4679
Hunter-Lab	41.1201, 12.3298, 15.4301

Details

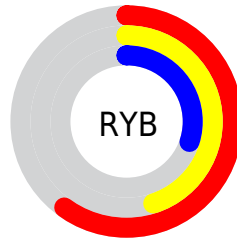
The XYZ color **19.4174, 16.9086, 9.2615** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.7433, 19.6107, 33.4746**, and the grayscale version is **16.2508, 17.0972, 18.6188**.

A 20% lighter version of the original color is **42.0211, 38.1377, 24.8852**, and **6.8824, 5.5460, 2.0742** is the 20% darker color. If you saturate the color by 10%, you get **17.9780, 14.7995, 6.4093**, and if you desaturate by 10%, it is **21.1146, 19.3274, 12.8351**.

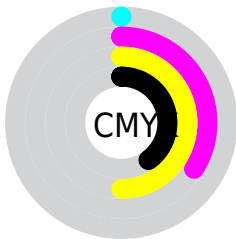
Distribution



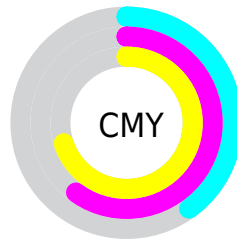
- Red (60%)
- Green (40%)
- Blue (30%)



- Red (60%)
- Yellow (45%)
- Blue (30%)



- Cyan (0%)
- Magenta (34%)
- Yellow (50%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4174, 16.9086, 9.2615 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 19.4174, 16.9086, 9.2615 by changing the saturation by 10% instead.

■ 19.4174, 16.9086,
9.2615

■ 19.4174, 16.9086,
9.2615

241.6376,
234.6451, 195.6062

■ 12.0781, 10.1693,
4.8130

■ 41.9497, 38.1686,
24.9826

■ 6.8694, 5.5114,
2.0812

■ 57.8733, 53.4581,
37.0923

■ 3.4262, 2.5503,
0.6045

■ 77.3891, 72.3664,
52.5928

■ 1.3829, 0.9018,
0.0000

■ 100.8624, 95.2781,
71.9026

■ 0.2440, 0.0000,
0.0000

■ 128.6585,
122.5773, 95.4403

■ 0.0000, 0.0000,
0.0000

161.1428,

154.6487, 123.6245

198.6808,
191.8765, 156.8736

■ 19.4174, 16.9086,
9.2615

■ 19.4174, 16.9086,
9.2615

■ 17.9780, 14.7995,
6.4093

■ 21.1146, 19.3274,
12.8351

■ 16.7813, 12.9843,
4.2274

■ 23.0812, 22.0656,
17.1745

■ 15.8121, 11.4498,
2.6593

■ 25.3294, 25.1356,
22.3217

■ 15.0528, 10.1802,
1.6387

■ 27.8706, 28.5485,
28.3151

■ 14.4674, 9.1519,
1.0040

■ 30.7150, 32.3147,
35.1909

■ 14.4673, 9.1518,
1.0040

■ 33.8728, 36.4441,
42.9831

■ 37.3534, 40.9464,
51.7237

■ 41.1659, 45.8308,
61.4435

■ 45.3190, 51.1061,
72.1717

Harmonies

Analogous

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



21.2334, 16.9086, 13.6049



19.4174, 16.9086, 9.2615



16.8262, 16.9086, 7.5024

Triad

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



19.4174, 16.9086, 9.2615



11.5818, 16.9086, 16.3621



17.9928, 16.9086, 35.3782

Complementary

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



19.4174, 16.9086, 9.2615



16.7433, 19.6107, 33.4746

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.



15.3390, 16.9086, 36.7066



19.4174, 16.9086, 9.2615



11.8217, 16.9086, 24.2326

Square

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



19.4174, 16.9086, 9.2615



12.4380, 16.9086, 10.8073



13.1332, 16.9086, 32.1878



20.3506, 16.9086, 28.9379

Rectangle

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



19.4174, 16.9086, 9.2615



15.0849, 16.9086, 7.5758



13.1332, 16.9086, 32.1878



17.0994, 16.9086, 36.4962

Sweetspot

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



19.4178, 16.9094, 9.2618



48.1144, 48.4950, 45.4690



19.9840, 13.7794, 22.5910



10.6883, 10.7046, 9.8166



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.



19.4178, 16.9094, 9.2618



32.3739, 26.4596, 11.1032



24.0271, 26.1280, 10.7983



6.3644, 6.5340, 6.5316



11.8166, 7.5156, 0.8278



0.2073, 0.1736, 0.0226

Inverse Universe

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



16.7433, 19.6107, 33.4746



26.9089, 31.8807, 60.2716



12.6446, 11.4132, 32.1084



6.2154, 6.6882, 7.8923



8.8181, 10.0328, 26.3795



0.1645, 0.2153, 0.4053

Previews

White Background



This preview shows how the XYZ color 19.4174, 16.9086, 9.2615 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



This preview shows how the XYZ color 19.4174, 16.9086, 9.2615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

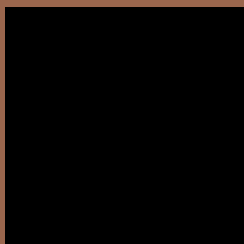
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4174, 16.9086, 9.2615

Background



This preview shows how black text looks on a background with the XYZ color 19.4174, 16.9086, 9.2615.



This preview shows how white text looks on a background with the XYZ color 19.4174, 16.9086,

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

19.4174, 16.9086, 9.2615

Protanopia

15.8221, 17.0816, 10.4458

Deuteranopia

17.3272, 17.0631, 9.0369



Tritanopia

20.6795, 16.8439, 15.7969

Trichromacy



Original Color

19.4174, 16.9086, 9.2615

Protanomaly

16.8554, 16.7994, 9.9436

Deuteranomaly

18.0638, 16.9665, 9.1603

Tritanomaly

20.0450, 16.7185, 12.9970

Monochromacy



Original Color

19.4174, 16.9086, 9.2615

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.9782, 16.7586, 14.6518

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4174, 16.9086, 9.2615 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(154, 102, 77)` looks like.

```
.text, #text, p{  
    color:rgb(154, 102, 77)  
}
```

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(154, 102, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 102, 77) }
```

Border

The CSS property to change the border of an element to XYZ 19.4174, 16.9086, 9.2615 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(154, 102, 77) }
```


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

```
.border{ border-color:rgb(154, 102, 77) }
```

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

Here you see how a box with a 4 pixel rgb(154, 102, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 102, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 102, 77);  
box-shadow:4px 4px 4px 4px rgb(154, 102,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4174, 16.9086, 9.2615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 102, 77) }
```

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

```
.background{ background-color: rgb(154,  
102, 77) }
```

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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