

Converting Colors

XYZ(18.9764, 19.7357, 15.7541)

Have a look what the booklet for
XYZ(18.9764, 19.7357, 15.7541)
contains.

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Color

**XYZ(18.9584, 19.6406,
15.6238)**

Conversions

Conversions Part 1

Format	Color
Hex	857967
RGB	133, 121, 103
RGB Percent	52%, 47%, 40%
CMY	0.4784, 0.5255, 0.5961
CMYK	0.00, 0.09, 0.23, 0.48
HSL	36°, 13%, 46%
HSV	36°, 23%, 52%
XYZ	18.9584, 19.6406, 15.6238
YIQ	122.5360, 12.9300, -3.0540

Conversions

Conversions Part 2

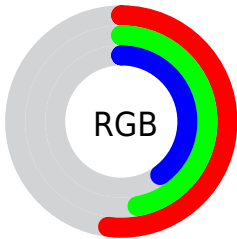
Format	Color
R_{YB}	123, 133, 103
Decimal	8747367
CIE _{Lab}	51.43, 1.50, 11.55
CIE _{LCh}	51, 11.647, 82.598
Yxy	19.6406, 0.3496, 0.3622
Android (android.graphics.Color)	4286937447 (0xFF857967)
YUV	122.5360, -9.6312, 9.1769
Hunter-Lab	44.3177, -1.1966, 10.1203

Details

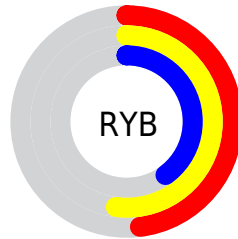
The XYZ color **18.9584, 19.6406, 15.6238** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.9577, 16.8380, 24.5993**, and the grayscale version is **18.7022, 19.6762, 21.4273**.

A 20% lighter version of the original color is **41.0260, 42.6593, 36.6436**, and **6.6636, 6.8896, 4.7200** is the 20% darker color. If you saturate the color by 10%, you get **17.7148, 18.1380, 12.1736**, and if you desaturate by 10%, it is **20.3449, 21.2588, 19.6461**.

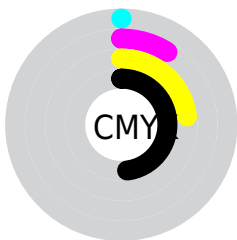
Distribution



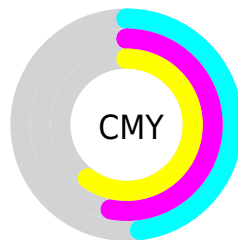
- Red (52%)
- Green (47%)
- Blue (40%)



- Red (48%)
- Yellow (52%)
- Blue (40%)



- Cyan (0%)
- Magenta (9%)
- Yellow (23%)
- Black (48%)



- Cyan (48%)
- Magenta (53%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9584, 19.6406, 15.6238 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 18.9584, 19.6406, 15.6238 by changing the saturation by 10% instead.

■ 18.9584, 19.6406,
15.6238

■ 18.9584, 19.6406,
15.6238

239.1615,
249.9628, 238.8809

■ 11.7441, 12.1341,
9.1069

■ 41.1812, 42.8138,
36.7015

■ 6.6406, 6.8350,
4.7132

■ 56.9204, 59.2492,
52.0994

■ 3.2827, 3.3592,
2.0242

■ 76.2319, 79.4298,
71.2947

■ 1.3050, 1.3220,
0.5701

■ 99.4810, 103.7398,
94.7059

■ 0.1869, 0.1581,
0.0000

127.0332,
132.5638, 122.7516

■ 0.0000, 0.0000,
0.0000

159.2538,

166.2860, 155.8503

196.5081,
205.2908, 194.4206

■ 18.9584, 19.6406,
15.6238

■ 18.9584, 19.6406,
15.6238

■ 17.7148, 18.1380,
12.1736

■ 20.3449, 21.2588,
19.6461

■ 16.6069, 16.7451,
9.2677

■ 21.8780, 22.9928,
24.2640

■ 15.6294, 15.4595,
6.8777

■ 23.5632, 24.8465,
29.5013

■ 14.7756, 14.2777,
4.9723

■ 25.4051, 26.8225,
35.3801

■ 14.0384, 13.1957,
3.5166

■ 27.4081, 28.9234,
41.9215

■ 13.4096, 12.2094,
2.4711

■ 29.5767, 31.1518,
49.1453

■ 12.8799, 11.3138,
1.7893

■ 31.9149, 33.5101,
57.0709

■ 12.5280, 10.6967,
1.4044

■ 34.4266, 36.0007,
65.7167

■ 37.1158, 38.6259,
75.1003

Harmonies

Analogous

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



20.0644, 19.6406, 16.6750



18.9584, 19.6406, 15.6238



17.8186, 19.6406, 15.9834

Triad

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



18.9584, 19.6406, 15.6238



16.6716, 19.6406, 23.9514



20.5080, 19.6406, 25.5316

Complementary

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



18.9584, 19.6406, 15.6238



15.9577, 16.8380, 24.5993

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.



19.5435, 19.6406, 27.8848



18.9584, 19.6406, 15.6238



17.3376, 19.6406, 26.9082

Square

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



18.9584, 19.6406, 15.6238



16.5296, 19.6406, 20.5679



18.3802, 19.6406, 28.4132



20.9829, 19.6406, 22.2240

Rectangle

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



18.9584, 19.6406, 15.6238



17.1896, 19.6406, 16.9944



18.3802, 19.6406, 28.4132



20.2284, 19.6406, 26.4740

Sweetspot

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



18.9589, 19.6415, 15.6242



37.8820, 39.7197, 39.5096



17.6178, 15.9251, 18.3652



8.5064, 8.9168, 8.8165



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.



18.9589, 19.6415, 15.6242



32.7936, 33.7870, 24.7293



20.0417, 22.5002, 16.1189



4.8876, 5.1188, 4.9598



11.9411, 10.2049, 1.3404



0.0485, 0.0497, 0.0070

Inverse Universe

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



15.9577, 16.8380, 24.5993



26.4438, 27.8565, 43.7215



15.0280, 14.4584, 24.1890



4.5760, 4.8276, 5.8914



5.2609, 4.0695, 21.6449



0.0250, 0.0277, 0.0773

Previews

White Background



This preview shows how the XYZ color 18.9584, 19.6406, 15.6238 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 18.9584, 19.6406, 15.6238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

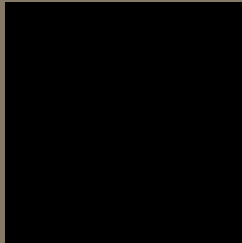
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.9584, 19.6406, 15.6238

Background



This preview shows how black text looks on a background with the XYZ color 18.9584, 19.6406, 15.6238.



This preview shows how white text looks on a background with the XYZ color 18.9584, 19.6406,

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

18.9584, 19.6406, 15.6238

Protanopia

18.5115, 19.5857, 15.9015

Deuteranopia

19.9616, 19.6191, 15.8315



Tritanopia

20.4625, 19.7234, 22.8072

Trichromacy



Original Color

18.9584, 19.6406, 15.6238

Protanomaly

18.6641, 19.6644, 15.9086

Deuteranomaly

19.5767, 19.5964, 15.8474

Tritanomaly

19.8585, 19.6526, 19.8862

Monochromacy



Original Color

18.9584, 19.6406, 15.6238

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8643, 19.6920, 19.3297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9584, 19.6406, 15.6238 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(133, 121, 103)` looks like.

```
.text, #text, p{  
    color:rgb(133, 121, 103)  
}
```

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(133, 121, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 121, 103) }
```

Border

The CSS property to change the border of an element to XYZ 18.9584, 19.6406, 15.6238 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(133, 121, 103) }
```


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

```
.border{ border-color:rgb(133, 121, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 121, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 121, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 121, 103);  
box-shadow:4px 4px 4px 4px rgb(133, 121,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9584, 19.6406, 15.6238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 121, 103) }
```

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

```
.background{ background-color: rgb(133,  
121, 103) }
```

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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