

Converting Colors

XYZ(19.5259, 16.2276, 21.3245)

Have a look what the booklet for
XYZ(19.5259, 16.2276, 21.3245)
contains.

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Color

**XYZ(19.6015, 16.3082,
21.1835)**

Conversions

Conversions Part 1

Format	Color
Hex	90637C
RGB	144, 99, 124
RGB Percent	56%, 39%, 49%
CMY	0.4353, 0.6118, 0.5137
CMYK	0.00, 0.31, 0.14, 0.44
HSL	327°, 19%, 48%
HSV	327°, 31%, 56%
XYZ	19.6015, 16.3082, 21.1835
YIQ	115.3050, 18.7950, 17.3150

Conversions

Conversions Part 2

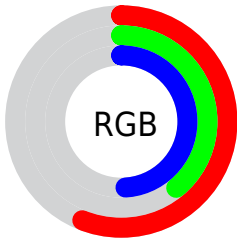
Format	Color
R_{YB}	144, 99, 124
Decimal	9462652
CIE _{Lab}	47.38, 22.23, -6.62
CIE _{LCh}	47, 23.198, 343.420
Yxy	16.3082, 0.3433, 0.2856
Android (android.graphics.Color)	4287652732 (0xFF90637C)
YUV	115.3050, 4.2866, 25.1655
Hunter-Lab	40.3834, 15.9702, -2.8327

Details

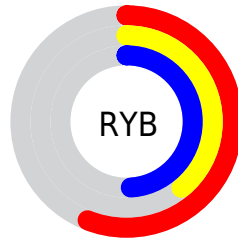
The XYZ color **19.6015, 16.3082, 21.1835** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.4493, 23.9315, 21.1006**, and the grayscale version is **16.3721, 17.2247, 18.7577**.

A 20% lighter version of the original color is **42.1309, 36.9928, 46.5148**, and **6.9680, 5.2028, 7.2936** is the 20% darker color. If you saturate the color by 10%, you get **17.9653, 13.6626, 18.7056**, and if you desaturate by 10%, it is **21.5082, 19.4523, 23.8816**.

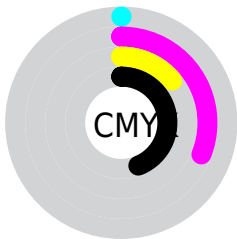
Distribution



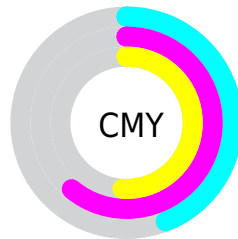
- Red (56%)
- Green (39%)
- Blue (49%)



- Red (56%)
- Yellow (39%)
- Blue (49%)



- Cyan (0%)
- Magenta (31%)
- Yellow (14%)
- Black (44%)



- Cyan (44%)
- Magenta (61%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6015, 16.3082, 21.1835 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 19.6015, 16.3082, 21.1835 by changing the saturation by 10% instead.

■ 19.6015, 16.3082,
21.1835

■ 19.6015, 16.3082,
21.1835

242.6244,
231.1535, 271.0651

■ 12.2123, 9.7425,
13.0657

■ 42.2571, 37.1324,
46.2775

■ 6.9616, 5.2286,
7.3425

■ 58.2542, 52.1598,
64.0907

■ 3.4842, 2.3820,
3.5955

■ 77.8513, 70.7764,
85.9728

■ 1.4147, 0.8166,
1.4062

■ 101.4138, 93.3668,
112.3423

■ 0.2667, 0.0000,
0.1465

129.3070,
120.3153, 143.6177

■ 0.0000, 0.0000,
0.0000

161.8963,

152.0063, 180.2176

199.5470,
188.8243, 222.5606

■ 19.6015, 16.3082,
21.1835

■ 19.6015, 16.3082,
21.1835

■ 17.9653, 13.6626,
18.7056

■ 21.5082, 19.4523,
23.8816

■ 16.5848, 11.4873,
16.4399

■ 23.6964, 23.1169,
26.8054

■ 15.4458, 9.7545,
14.3794


■ 26.1782, 27.3253,
29.9614


■ 14.5321, 8.4327,
12.5161


■ 28.9647, 32.0986,
33.3555


■ 13.8254, 7.4860,
10.8413


■ 32.0662, 37.4570,
36.9934


 13.3041, 6.8726,
9.3449

 35.4927, 43.4194,
40.8806

 12.9495, 6.5085,
8.1626

 39.2535, 50.0043,
45.0222

 43.3577, 57.2289,
49.4234

 47.8141, 65.1100,
54.0891

Harmonies

Analogous

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



18.3762, 16.3082, 27.3029



19.6015, 16.3082, 21.1835



19.6675, 16.3082, 15.2594

Triad

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



19.6015, 16.3082, 21.1835



14.6019, 16.3082, 8.8717



12.8055, 16.3082, 26.7195

Complementary

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



19.6015, 16.3082, 21.1835



18.4493, 23.9315, 21.1006

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.



11.9680, 16.3082, 20.5130



19.6015, 16.3082, 21.1835



12.9416, 16.3082, 10.7441

Square

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



19.6015, 16.3082, 21.1835



16.6548, 16.3082, 8.9737



12.0155, 16.3082, 14.7212



14.4007, 16.3082, 30.9508

Rectangle

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



19.6015, 16.3082, 21.1835



19.0355, 16.3082, 12.2280



12.0155, 16.3082, 14.7212



12.4326, 16.3082, 24.7423

Sweetspot

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



19.6020, 16.3089, 21.1838



42.6547, 42.2243, 48.3928



17.0359, 14.8248, 28.3493



9.6545, 9.4682, 10.9330



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.6020, 16.3089, 21.1838



32.6411, 25.6292, 34.4739



18.3623, 15.8131, 14.6557



5.5264, 5.4711, 6.2699



11.2886, 5.6724, 7.1709



0.1190, 0.0587, 0.1271

Inverse Universe

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



19.6020, 16.3089, 21.1838



32.6411, 25.6292, 34.4739



19.9271, 24.5226, 28.8826



5.5264, 5.4711, 6.2699



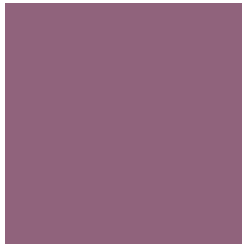
11.2886, 5.6724, 7.1709



0.1190, 0.0587, 0.1271

Previews

White Background



This preview shows how the XYZ color 19.6015, 16.3082, 21.1835 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 19.6015, 16.3082, 21.1835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

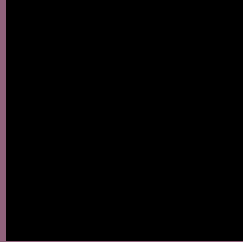
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.6015, 16.3082, 21.1835

Background



This preview shows how black text looks on a background with the XYZ color 19.6015, 16.3082, 21.1835.



This preview shows how white text looks on a background with the XYZ color 19.6015, 16.3082,

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

19.6015, 16.3082, 21.1835

Protanopia

16.2657, 16.5055, 24.1584

Deuteranopia

16.6965, 16.4789, 20.7131



Tritanopia

18.6670, 16.3577, 16.6415

Trichromacy



Original Color

19.6015, 16.3082, 21.1835

Protanomaly

17.2462, 16.2379, 22.9941

Deuteranomaly

17.6313, 16.3273, 20.9611

Tritanomaly

19.0186, 16.3619, 18.0754

Monochromacy



Original Color

19.6015, 16.3082, 21.1835

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.3428, 16.6809, 19.4452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6015, 16.3082, 21.1835 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(144, 99, 124)` looks like.

```
.text, #text, p{  
    color:rgb(144, 99, 124)  
}
```

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(144, 99, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 99, 124) }
```

Border

The CSS property to change the border of an element to XYZ 19.6015, 16.3082, 21.1835 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(144, 99, 124) }
```


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

```
.border{ border-color:rgb(144, 99, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 99, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 99, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 99, 124);  
box-shadow:4px 4px 4px 4px rgb(144, 99,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6015, 16.3082, 21.1835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 99, 124) }
```

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

```
.background{ background-color: rgb(144, 99,  
124) }
```

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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