

Converting Colors

XYZ(19.5471, 20.1056, 19.8038)

Have a look what the booklet for
XYZ(19.5471, 20.1056, 19.8038)
contains.

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Color

**XYZ(19.5305, 20.0287,
19.6662)**

Conversions

Conversions Part 1

Format	Color
Hex	837A75
RGB	131, 122, 117
RGB Percent	51%, 48%, 46%
CMY	0.4863, 0.5216, 0.5412
CMYK	0.00, 0.07, 0.11, 0.49
HSL	21°, 6%, 49%
HSV	21°, 11%, 51%
XYZ	19.5305, 20.0287, 19.6662
YIQ	124.1210, 6.9690, 0.3530

Conversions

Conversions Part 2

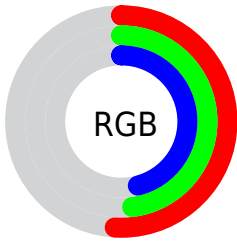
Format	Color
R_{YB}	131, 125, 117
Decimal	8616565
CIE Lab	51.87, 2.51, 3.96
CIE LCh	52, 4.690, 57.674
Yxy	20.0287, 0.3298, 0.3382
Android (android.graphics.Color)	4286806645 (0xFF837A75)
YUV	124.1210, -3.5107, 6.0329
Hunter-Lab	44.7534, -0.4207, 5.2733

Details

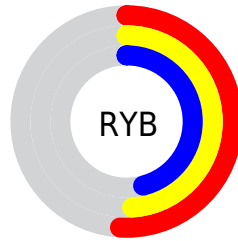
The XYZ color **19.5305, 20.0287, 19.6662** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.8937, 20.3420, 24.4036**, and the grayscale version is **19.2087, 20.2090, 22.0076**.

A 20% lighter version of the original color is **42.0646, 43.3270, 43.6820**, and **6.9364, 6.9886, 6.6136** is the 20% darker color. If you saturate the color by 10%, you get **17.8243, 17.7638, 15.5596**, and if you desaturate by 10%, it is **21.4352, 22.5177, 24.3713**.

Distribution



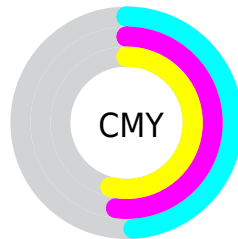
- Red (51%)
- Green (48%)
- Blue (46%)



- Red (51%)
- Yellow (49%)
- Blue (46%)



- Cyan (0%)
- Magenta (7%)
- Yellow (11%)
- Black (49%)



- Cyan (49%)
- Magenta (52%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5305, 20.0287, 19.6662 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 19.5305, 20.0287, 19.6662 by changing the saturation by 10% instead.

■ 19.5305, 20.0287,
19.6662

■ 19.5305, 20.0287,
19.6662

242.2443,
252.0704, 262.6465

■ 12.1605, 12.4159,
11.9710

■ 42.1386, 43.4653,
43.7084

■ 6.9261, 7.0276,
6.6016

■ 58.1074, 60.0579,
60.8925

■ 3.4618, 3.4794,
3.1396

■ 77.6732, 80.4125,
82.0766

■ 1.4024, 1.3868,
1.1663

101.2013,
104.9136, 107.6793

■ 0.2580, 0.2070,
0.0000

129.0571,
133.9456, 138.1191

■ 0.0000, 0.0000,
0.0000

161.6060,

167.8928, 173.8145

199.2132,
207.1396, 215.1841

■ 19.5305, 20.0287,
19.6662

■ 19.5305, 20.0287,
19.6662

■ 17.8243, 17.7638,
15.5596

■ 21.4352, 22.5177,
24.3713

■ 16.3083, 15.7140,
12.0261

■ 23.5431, 25.2341,
29.6964

■ 14.9758, 13.8735,
9.0402

■ 25.8609, 28.1846,
35.6635

■ 13.8193, 12.2355,
6.5739

■ 28.3943, 31.3749,
42.2933

■ 12.8307, 10.7925,
4.5971

■ 31.1489, 34.8102,
49.6054

■ 12.0009, 9.5366,
3.0760

■ 34.1302, 38.4958,
57.6186

■ 11.3202, 8.4594,
1.9730

■ 37.3432, 42.4367,
66.3509

■ 10.7773, 7.5515,
1.2438

■ 40.7931, 46.6379,
75.8199

■ 10.3690, 6.8430,
0.7743

■ 44.4845, 51.1042,
86.0423

Harmonies

Analogous

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



19.8591, 20.0287, 20.6125



19.5305, 20.0287, 19.6662



19.0739, 20.0287, 19.2913

Triad

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



19.5305, 20.0287, 19.6662



18.1364, 20.0287, 21.7016



19.4651, 20.0287, 24.2135

Complementary

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



19.5305, 20.0287, 19.6662



18.8937, 20.3420, 24.4036

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.



18.9995, 20.0287, 24.5343



19.5305, 20.0287, 19.6662



18.2373, 20.0287, 23.0485

Square

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



19.5305, 20.0287, 19.6662



18.2734, 20.0287, 20.4355



18.5513, 20.0287, 24.0996



19.8209, 20.0287, 23.2403

Rectangle

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



19.5305, 20.0287, 19.6662



18.7600, 20.0287, 19.4036



18.5513, 20.0287, 24.0996



19.3160, 20.0287, 24.4030

Sweetspot

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



19.5311, 20.0296, 19.6666



37.5404, 39.2257, 41.5368



19.4940, 19.0571, 22.4237



8.6799, 9.0540, 9.5208



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.



19.5311, 20.0296, 19.6666



34.1433, 34.7701, 33.1948



20.4083, 21.7841, 19.9590



4.7987, 4.9410, 4.9301



10.2090, 6.7405, 0.7630



0.0418, 0.0362, 0.0048

Inverse Universe

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



18.8937, 20.3420, 24.4036



32.7471, 35.4541, 43.5705



18.0419, 18.6384, 24.1196



4.6654, 5.0063, 5.9212



7.1706, 7.8890, 22.2815



0.0318, 0.0412, 0.0795

Previews

White Background



This preview shows how the XYZ color 19.5305, 20.0287, 19.6662 looks on a white background.

Color Contrast Check

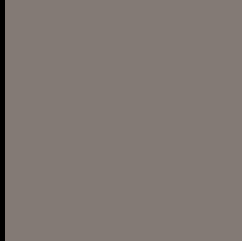
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5305, 20.0287, 19.6662 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

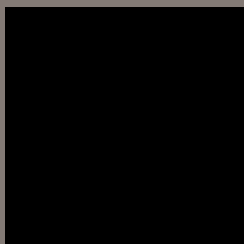
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

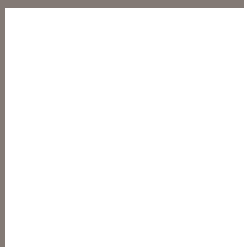
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.5305, 20.0287, 19.6662

Background



This preview shows how black text looks on a background with the XYZ color 19.5305, 20.0287, 19.6662.



This preview shows how white text looks on a background with the XYZ color 19.5305, 20.0287,

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

19.5305, 20.0287, 19.6662

Protanopia

19.1054, 19.9859, 19.9903

Deuteranopia

20.2889, 19.8813, 19.5977



Tritanopia

20.4186, 20.0312, 23.9093

Trichromacy



Original Color

19.5305, 20.0287, 19.6662

Protanomaly

19.2551, 20.0631, 19.9973

Deuteranomaly

19.9190, 19.8682, 19.6147

Tritanomaly

20.0548, 20.0609, 22.2172

Monochromacy



Original Color

19.5305, 20.0287, 19.6662

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.2865, 20.0584, 20.9443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5305, 20.0287, 19.6662 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(131, 122, 117)` looks like.

```
.text, #text, p{  
    color:rgb(131, 122, 117)  
}
```

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(131, 122, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 122, 117) }
```

Border

The CSS property to change the border of an element to XYZ 19.5305, 20.0287, 19.6662 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(131, 122, 117) }
```


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

```
.border{ border-color:rgb(131, 122, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 122, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 122, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 122, 117);  
box-shadow:4px 4px 4px 4px rgb(131, 122,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5305, 20.0287, 19.6662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 122, 117) }
```

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

```
.background{ background-color: rgb(131,  
122, 117) }
```

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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