

Converting Colors

XYZ(16.5937, 13.6799, 19.8457)

Have a look what the booklet for
XYZ(16.5937, 13.6799, 19.8457)
contains.

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Color

**XYZ(16.5523, 13.6879,
19.8588)**

Conversions

Conversions Part 1

Format	Color
Hex	835B79
RGB	131, 91, 121
RGB Percent	51%, 36%, 47%
CMY	0.4863, 0.6431, 0.5255
CMYK	0.00, 0.31, 0.08, 0.49
HSL	315°, 18%, 44%
HSV	315°, 31%, 51%
XYZ	16.5523, 13.6879, 19.8588
YIQ	106.3800, 14.2100, 17.8100

Conversions

Conversions Part 2

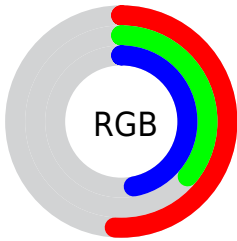
Format	Color
R_{YB}	131, 91, 121
Decimal	8608633
CIE _{Lab}	43.78, 21.54, -10.35
CIE _{LCh}	44, 23.894, 334.335
Yxy	13.6879, 0.3304, 0.2732
Android (android.graphics.Color)	4286798713 (0xFF835B79)
YUV	106.3800, 7.2077, 21.5917
Hunter-Lab	36.9972, 15.1148, -5.9268

Details

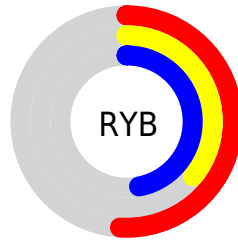
The XYZ color **16.5523, 13.6879, 19.8588** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **14.7801, 19.3967, 15.2776**, and the grayscale version is **13.7823, 14.5000, 15.7905**.

A 20% lighter version of the original color is **37.2234, 32.6774, 43.8806**, and **5.4637, 4.0186, 6.6186** is the 20% darker color. If you saturate the color by 10%, you get **15.3314, 11.5618, 18.4777**, and if you desaturate by 10%, it is **17.9764, 16.2090, 21.3415**.

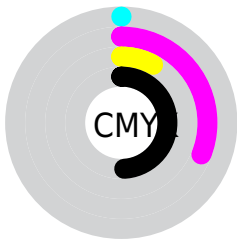
Distribution



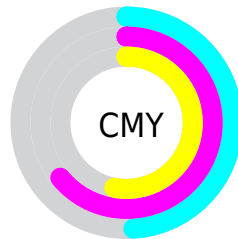
- Red (51%)
- Green (36%)
- Blue (47%)



- Red (51%)
- Yellow (36%)
- Blue (47%)



- Cyan (0%)
- Magenta (31%)
- Yellow (8%)
- Black (49%)



- Cyan (49%)
- Magenta (64%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5523, 13.6879, 19.8588 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 16.5523, 13.6879, 19.8588 by changing the saturation by 10% instead.

■ 16.5523, 13.6879,
19.8588

■ 16.5523, 13.6879,
19.8588

225.7859,
215.2805, 263.7286

■ 10.0091, 7.9039,
12.1094

■ 37.1042, 32.5342,
44.0362

■ 5.4673, 4.0335,
6.6948

■ 51.8436, 46.3653,
61.3012

■ 2.5615, 1.6923,
3.1964

■ 70.0457, 63.6476,
82.5752

■ 0.9264, 0.4187,
1.1958

■ 92.0761, 84.7655,
108.2767

■ 0.0000, 0.0000,
0.0000

■ 118.2999,
110.1033, 138.8243

149.0826,

140.0455, 174.6364

184.7895,
174.9764, 216.1317

■ 16.5523, 13.6879,
19.8588

■ 16.5523, 13.6879,
19.8588

■ 15.3314, 11.5618,
18.4777

■ 17.9764, 16.2090,
21.3415

■ 14.3021, 9.8085,
17.1937

■ 19.6119, 19.1420,
22.9286

■ 13.4538, 8.4064,
16.0031

■ 21.4681, 22.5054,
24.6235

■ 12.7741, 7.3310,
14.9012

■ 23.5534, 26.3156,
26.4293

■ 12.2492, 6.5545,
13.8833

■ 25.8756, 30.5885,
28.3491

■ 11.8627, 6.0446,
12.9434

■ 28.4424, 35.3390,
30.3856

■ 11.5765, 5.7119,
12.1093

■ 31.2609, 40.5814,
32.5416

■ 34.3381, 46.3295,
34.8196

■ 37.6804, 52.5963,
37.2221

Harmonies

Analogous

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



15.1599, 13.6879, 25.2057



16.5523, 13.6879, 19.8588



16.9627, 13.6879, 14.1340

Triad

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



16.5523, 13.6879, 19.8588



12.7383, 13.6879, 6.7734



10.2444, 13.6879, 21.5477

Complementary

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



16.5523, 13.6879, 19.8588



14.7801, 19.3967, 15.2776

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.



9.7245, 13.6879, 15.7011



16.5523, 13.6879, 19.8588



11.0735, 13.6879, 7.8787

Square

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



16.5523, 13.6879, 19.8588



14.6412, 13.6879, 7.3775



10.0129, 13.6879, 10.8503



11.5046, 13.6879, 26.3343

Rectangle

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



16.5523, 13.6879, 19.8588



16.5940, 13.6879, 11.0277



10.0129, 13.6879, 10.8503



9.9831, 13.6879, 19.5959

Sweetspot

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



16.5527, 13.6885, 19.8591



35.5378, 35.0319, 41.4508



13.2052, 11.8882, 23.0715



8.1805, 7.9875, 9.5631



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.



16.5527, 13.6885, 19.8591



28.0064, 21.6576, 33.7347



15.4506, 13.2477, 14.0553



4.8095, 4.7435, 5.6090



11.3963, 5.6229, 11.9254



0.0424, 0.0206, 0.0567

Inverse Universe

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



16.5527, 13.6885, 19.8591



28.0064, 21.6576, 33.7347



15.8823, 19.8375, 21.0814



4.8095, 4.7435, 5.6090



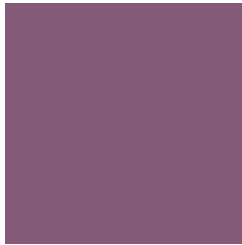
11.3963, 5.6229, 11.9254



0.0424, 0.0206, 0.0567

Previews

White Background



This preview shows how the XYZ color 16.5523, 13.6879, 19.8588 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 16.5523, 13.6879, 19.8588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

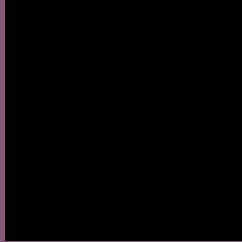
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5523, 13.6879, 19.8588

Background



This preview shows how black text looks on a background with the XYZ color 16.5523, 13.6879, 19.8588.



This preview shows how white text looks on a background with the XYZ color 16.5523, 13.6879,

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

16.5523, 13.6879, 19.8588

Protanopia

13.8497, 13.8821, 22.7184

Deuteranopia

14.0469, 13.7651, 19.3693



Tritanopia

15.5437, 13.8109, 14.4169

Trichromacy



Original Color

16.5523, 13.6879, 19.8588

Protanomaly

14.6581, 13.7450, 21.6192

Deuteranomaly

14.8673, 13.6185, 19.6143

Tritanomaly

15.9689, 13.8554, 16.3007

Monochromacy



Original Color

16.5523, 13.6879, 19.8588

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.5932, 14.0999, 16.9913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5523, 13.6879, 19.8588 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, 91, 121)` looks like.

```
.text, #text, p{  
    color:rgb(131, 91, 121)  
}
```

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, 91, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 91, 121) }
```

Border

The CSS property to change the border of an element to XYZ 16.5523, 13.6879, 19.8588 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, 91, 121) }
```


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

```
.border{ border-color:rgb(131, 91, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 91, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 91, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 91, 121);  
box-shadow:4px 4px 4px 4px rgb(131, 91,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5523, 13.6879, 19.8588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 91, 121) }
```

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

```
.background{ background-color: rgb(131, 91,  
121) }
```

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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