

Converting Colors

XYZ(19.8300, 19.2744, 23.1210)

Have a look what the booklet for
XYZ(19.8300, 19.2744, 23.1210)
contains.

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Color

**XYZ(19.7733, 19.1866,
23.0833)**

Conversions

Conversions Part 1

Format	Color
Hex	847580
RGB	132, 117, 128
RGB Percent	52%, 46%, 50%
CMY	0.4823, 0.5412, 0.4980
CMYK	0.00, 0.11, 0.03, 0.48
HSL	316°, 6%, 49%
HSV	316°, 11%, 52%
XYZ	19.7733, 19.1866, 23.0833
YIQ	122.7390, 5.4090, 6.6010

Conversions

Conversions Part 2

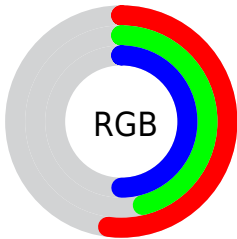
Format	Color
R_{YB}	132, 117, 128
Decimal	8680832
CIE Lab	50.90, 7.88, -3.90
CIE LCh	51, 8.797, 333.671
Yxy	19.1866, 0.3187, 0.3092
Android (android.graphics.Color)	4286870912 (0xFF847580)
YUV	122.7390, 2.5937, 8.1219
Hunter-Lab	43.8025, 3.9240, -0.5832

Details

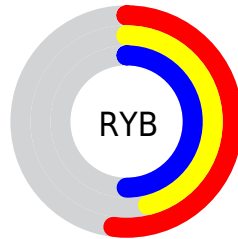
The XYZ color **19.7733, 19.1866, 23.0833** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.0393, 21.6655, 21.2686**, and the grayscale version is **18.7317, 19.7072, 21.4612**.

A 20% lighter version of the original color is **42.5360, 42.0264, 49.5861**, and **7.0191, 6.6146, 8.3039** is the 20% darker color. If you saturate the color by 10%, you get **18.1149, 16.2340, 21.4071**, and if you desaturate by 10%, it is **21.6577, 22.5778, 24.8750**.

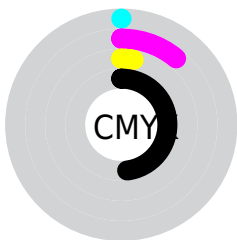
Distribution



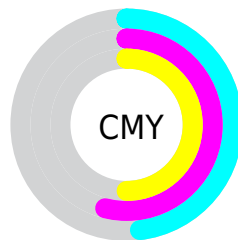
- Red (52%)
- Green (46%)
- Blue (50%)



- Red (52%)
- Yellow (46%)
- Blue (50%)



- Cyan (0%)
- Magenta (11%)
- Yellow (3%)
- Black (48%)



- Cyan (48%)
- Magenta (54%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7733, 19.1866, 23.0833 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 19.7733, 19.1866, 23.0833 by changing the saturation by 10% instead.

■ 19.7733, 19.1866,
23.0833

■ 19.7733, 19.1866,
23.0833

243.5422,
247.4770, 281.2883

■ 12.3377, 11.8052,
14.4491

■ 42.5436, 42.0492,
49.4550

■ 7.0479, 6.6112,
8.2914

■ 58.6090, 58.2991,
68.0296

■ 3.5387, 3.2201,
4.1915

■ 78.2817, 78.2740,
90.7548

■ 1.4446, 1.2477,
1.7310

101.9271,
102.3583, 118.0491

■ 0.2877, 0.1002,
0.3818

129.9105,
130.9364, 150.3311

■ 0.0000, 0.0000,
0.0000

162.5972,

164.3926, 188.0193

200.3527,
203.1113, 231.5322

■ 19.7733, 19.1866,
23.0833

■ 19.7733, 19.1866,
23.0833

■ 18.1149, 16.2340,
21.4071

■ 21.6577, 22.5778,
24.8750

■ 16.6718, 13.6995,
19.8417

■ 23.7751, 26.4223,
26.7842

■ 15.4348, 11.5646,
18.3839

■ 26.1341, 30.7369,
28.8143

■ 14.3933, 9.8083,
17.0298

■ 28.7425, 35.5369,
30.9685

■ 13.5360, 8.4080,
15.7751

■ 31.6076, 40.8371,
33.2494

■ 12.8501, 7.3382,
14.6151

■ 34.7365, 46.6513,
35.6598

■ 12.3212, 6.5704,
13.5448

■ 38.1360, 52.9931,
38.2024

■ 11.9325, 6.0712,
12.5579

■ 41.8126, 59.8754,
40.8796

■ 11.6640, 5.7649,
11.7571

■ 45.7727, 67.3108,
43.6940

Harmonies

Analogous

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



19.1773, 19.1866, 25.1264



19.7733, 19.1866, 23.0833



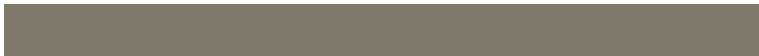
19.9529, 19.1866, 20.5864

Triad

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



19.7733, 19.1866, 23.0833



18.1296, 19.1866, 16.4750



16.8824, 19.1866, 23.6544

Complementary

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



19.7733, 19.1866, 23.0833



19.0393, 21.6655, 21.2686

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.



16.6210, 19.1866, 21.1985



19.7733, 19.1866, 23.0833



17.3266, 19.1866, 17.1604

Square

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



19.7733, 19.1866, 23.0833



18.9865, 19.1866, 16.8934



16.7811, 19.1866, 18.8420



17.5061, 19.1866, 25.4741

Rectangle

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



19.7733, 19.1866, 23.0833



19.8079, 19.1866, 19.0302



16.7811, 19.1866, 18.8420



16.7501, 19.1866, 22.8692

Sweetspot

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



19.7739, 19.1874, 23.0837



37.5550, 38.6962, 43.2640



18.4121, 18.4544, 24.4218



8.6842, 8.9022, 10.0172



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.



19.7739, 19.1874, 23.0837



33.9283, 32.1844, 39.7691



19.2983, 18.9972, 20.5793



4.8063, 4.7422, 5.5922



11.2957, 5.5826, 11.3956



0.0422, 0.0206, 0.0554

Inverse Universe

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



19.7739, 19.1874, 23.0837



33.9283, 32.1844, 39.7691



19.5173, 21.8567, 23.7856



4.8063, 4.7422, 5.5922



11.2957, 5.5826, 11.3956



0.0422, 0.0206, 0.0554

Previews

White Background



This preview shows how the XYZ color 19.7733, 19.1866, 23.0833 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 19.7733, 19.1866, 23.0833 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 19.7733, 19.1866, 23.0833

Background



This preview shows how black text looks on a background with the XYZ color 19.7733, 19.1866, 23.0833.



This preview shows how white text looks on a background with the XYZ color 19.7733, 19.1866,

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

19.7733, 19.1866, 23.0833

Protanopia

18.7518, 19.3514, 23.8660

Deuteranopia

19.5806, 19.2612, 23.1078



Tritanopia

19.6429, 19.1345, 22.3967

Trichromacy



Original Color

19.7733, 19.1866, 23.0833

Protanomaly

19.1364, 19.3779, 23.5006

Deuteranomaly

19.7348, 19.3407, 23.1151

Tritanomaly

19.7078, 19.1604, 22.7383

Monochromacy



Original Color

19.7733, 19.1866, 23.0833

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.1432, 19.5910, 22.1745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7733, 19.1866, 23.0833 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(132, 117, 128)` looks like.

```
.text, #text, p{  
    color:rgb(132, 117, 128)  
}
```

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(132, 117, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 117, 128) }
```

Border

The CSS property to change the border of an element to XYZ 19.7733, 19.1866, 23.0833 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(132, 117, 128) }
```


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

```
.border{ border-color:rgb(132, 117, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 117, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 117, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 117, 128);  
box-shadow:4px 4px 4px 4px rgb(132, 117,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7733, 19.1866, 23.0833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 117, 128) }
```

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

```
.background{ background-color: rgb(132,  
117, 128) }
```

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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