

Converting Colors

XYZ(19.8778, 23.0836, 13.9976)

Have a look what the booklet for
XYZ(19.8778, 23.0836, 13.9976)
contains.

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Color

**XYZ(19.8778, 23.0836,
13.9976)**

Conversions

Conversions Part 1

Format	Color
Hex	81885E
RGB	129, 136, 94
RGB Percent	51%, 53%, 37%
CMY	0.4941, 0.4667, 0.6314
CMYK	0.05, 0.00, 0.31, 0.47
HSL	70°, 18%, 45%
HSV	70°, 31%, 53%
XYZ	19.8778, 23.0836, 13.9976
YIQ	129.1190, 9.3100, -14.5460

Conversions

Conversions Part 2

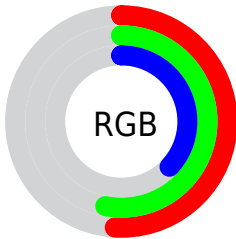
Format	Color
R_{YB}	94, 136, 101
Decimal	8489054
CIE _{Lab}	55.16, -9.93, 21.75
CIE _{LCh}	55, 23.907, 114.539
Yxy	23.0836, 0.3490, 0.4053
Android (android.graphics.Color)	4286679134 (0xFF81885E)
YUV	129.1190, -17.3137, -0.1044
Hunter-Lab	48.0454, -10.2287, 16.3582

Details

The XYZ color **19.8778, 23.0836, 13.9976** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **13.8144, 12.5503, 24.9882**, and the grayscale version is **20.9649, 22.0567, 24.0198**.

A 20% lighter version of the original color is **42.5998, 48.3846, 33.8820**, and **7.0653, 8.5231, 3.9621** is the 20% darker color. If you saturate the color by 10%, you get **18.9801, 22.6860, 11.0458**, and if you desaturate by 10%, it is **20.8919, 23.5303, 17.5172**.

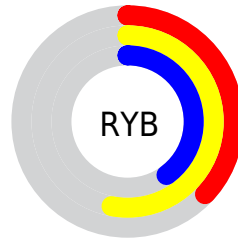
Distribution



Red (51%)

Green (53%)

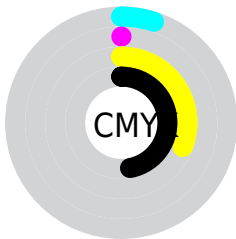
Blue (37%)



Red (37%)

Yellow (53%)

Blue (40%)

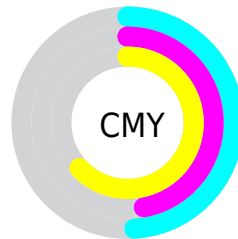


Cyan (5%)

Magenta (0%)

Yellow (31%)

Black (47%)



Cyan (49%)

Magenta (47%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8778, 23.0836, 13.9976 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 19.8778, 23.0836, 13.9976 by changing the saturation by 10% instead.

■ 19.8778, 23.0836,
13.9976

■ 19.8778, 23.0836,
13.9976

244.0990,
268.1541, 228.6438

■ 12.4140, 14.6552,
7.9803

■ 42.7177, 48.5306,
33.8018

■ 7.1005, 8.5778,
3.9947

■ 58.8245, 66.3180,
48.4258

■ 3.5719, 4.4668,
1.6225

■ 78.5431, 87.9938,
66.7558

■ 1.4629, 1.9380,
0.3068

■ 102.2387,
113.9426, 89.2102

■ 0.3004, 0.5711,
0.0000

130.2767,
144.5486, 116.2077

■ 0.0000, 0.0000,
0.0000

163.0226,

180.1962, 148.1668

200.8415,
221.2699, 185.5060

■ 19.8778, 23.0836,
13.9976

■ 19.8778, 23.0836,
13.9976

■ 18.9801, 22.6860,
11.0458

■ 20.8919, 23.5303,
17.5172

■ 18.1913, 22.3320,
8.6306

■ 22.0259, 24.0250,
21.6306

■ 17.5059, 22.0202,
6.7200

■ 23.2853, 24.5708,
26.3642

■ 16.9168, 21.7478,
5.2781

■ 24.6749, 25.1695,
31.7421

■ 16.4165, 21.5118,
4.2642

■ 26.1989, 25.8230,
37.7874

■ 15.9956, 21.3084,
3.6307

■ 27.8616, 26.5328,
44.5218

■ 15.6568, 21.1417,
3.2556

■ 29.6670, 27.3006,
51.9662

■ 31.6189, 28.1279,
60.1404

■ 33.7210, 29.0163,
69.0638

Harmonies

Analogous

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



22.4321, 23.0836, 13.1616



19.8778, 23.0836, 13.9976



18.0212, 23.0836, 17.5374

Triad

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



19.8778, 23.0836, 13.9976



19.0965, 23.0836, 39.1015



27.4538, 23.0836, 26.5584

Complementary

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



19.8778, 23.0836, 13.9976



13.8144, 12.5503, 24.9882

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.



26.3899, 23.0836, 34.6580



19.8778, 23.0836, 13.9976



21.4557, 23.0836, 42.7808

Square

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



19.8778, 23.0836, 13.9976



17.5964, 23.0836, 31.7434



24.1407, 23.0836, 41.0090



26.9459, 23.0836, 19.5125

Rectangle

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



19.8778, 23.0836, 13.9976



17.3578, 23.0836, 21.4173



24.1407, 23.0836, 41.0090



27.2657, 23.0836, 29.2579

Sweetspot

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



19.8784, 23.0846, 13.9981



39.1729, 42.4927, 39.4475



16.8282, 15.3504, 12.6660



9.0083, 9.8131, 8.8993



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



19.8784, 23.0846, 13.9981



33.9133, 40.1850, 20.9643



17.0097, 21.6058, 13.8638



5.3506, 5.8035, 5.3906



14.8245, 20.0123, 3.0814



0.1086, 0.1381, 0.0209

Inverse Universe

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



13.8144, 12.5503, 24.9882



21.4835, 18.5844, 43.5032



16.4735, 13.9211, 25.1127



4.8474, 4.9297, 6.3019



4.5393, 1.8542, 22.1643



0.0386, 0.0167, 0.1476

Previews

White Background



This preview shows how the XYZ color 19.8778, 23.0836, 13.9976 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 19.8778, 23.0836, 13.9976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

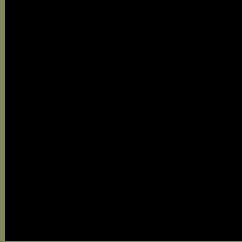
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

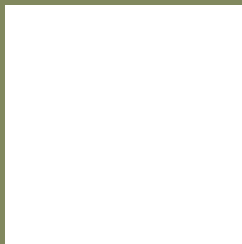
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8778, 23.0836, 13.9976

Background



This preview shows how black text looks on a background with the XYZ color 19.8778, 23.0836, 13.9976.



This preview shows how white text looks on a background with the XYZ color 19.8778, 23.0836,

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

19.8778, 23.0836, 13.9976

Protanopia

21.3384, 23.0260, 13.4450

Deuteranopia

23.2825, 22.8342, 14.2466



Tritanopia

22.7079, 23.0096, 28.0554

Trichromacy



Original Color

19.8778, 23.0836, 13.9976

Protanomaly

20.6798, 22.8837, 13.6830

Deuteranomaly

21.9023, 22.9025, 14.0927

Tritanomaly

21.4993, 22.9191, 22.0296

Monochromacy



Original Color

19.8778, 23.0836, 13.9976

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.4569, 22.4306, 19.7743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8778, 23.0836, 13.9976 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(129, 136, 94)` looks like.

```
.text, #text, p{  
    color:rgb(129, 136, 94)  
}
```

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(129, 136, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 136, 94) }
```

Border

The CSS property to change the border of an element to XYZ 19.8778, 23.0836, 13.9976 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(129, 136, 94) }
```


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

```
.border{ border-color:rgb(129, 136, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 136, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 136, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 136, 94);  
box-shadow:4px 4px 4px 4px rgb(129, 136,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8778, 23.0836, 13.9976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 136, 94) }
```

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

```
.background{ background-color: rgb(129,  
136, 94) }
```

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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