

Converting Colors

XYZ(19.8086, 23.4823, 23.2272)

Have a look what the booklet for
XYZ(19.8086, 23.4823, 23.2272)
contains.

XYZ(19.8086, 23.4823, 23.2272)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.8086, 23.4823,
23.2272)**

Conversions

Conversions Part 1

Format	Color
Hex	718B7E
RGB	113, 139, 126
RGB Percent	44%, 55%, 49%
CMY	0.5569, 0.4549, 0.5059
CMYK	0.19, 0.00, 0.09, 0.45
HSL	150°, 10%, 49%
HSV	150°, 19%, 55%
XYZ	19.8086, 23.4823, 23.2272
YIQ	129.7440, -11.3230, -9.5550

Conversions

Conversions Part 2

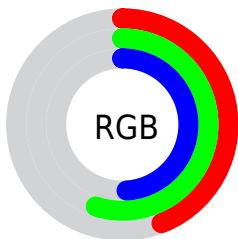
Format	Color
R_{YB}	113, 130, 139
Decimal	7441278
CIE _{Lab}	55.57, -12.03, 3.89
CIE _{LCh}	56, 12.642, 162.093
Yxy	23.4823, 0.2978, 0.3530
Android (android.graphics.Color)	4285631358 (0xFF718B7E)
YUV	129.7440, -1.8458, -14.6845
Hunter-Lab	48.4585, -11.8363, 5.5020

Details

The XYZ color **19.8086, 23.4823, 23.2272** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.3193, 18.8062, 22.2988**, and the grayscale version is **21.1374, 22.2382, 24.2174**.

A 20% lighter version of the original color is **42.7237, 49.3939, 49.9300**, and **7.0919, 8.8044, 8.3468** is the 20% darker color. If you saturate the color by 10%, you get **17.7225, 22.4576, 20.8693**, and if you desaturate by 10%, it is **22.2011, 24.6627, 25.7631**.

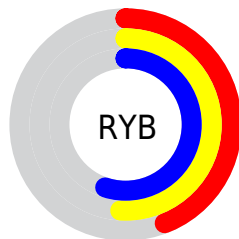
Distribution



Red (44%)

Green (55%)

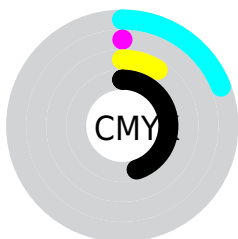
Blue (49%)



Red (44%)

Yellow (51%)

Blue (55%)

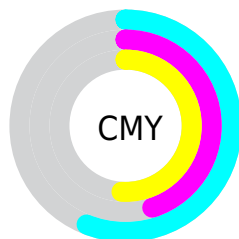


Cyan (19%)

Magenta (0%)

Yellow (9%)

Black (45%)



Cyan (56%)

Magenta (45%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8086, 23.4823, 23.2272 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 19.8086, 23.4823, 23.2272 by changing the saturation by 10% instead.

■ 19.8086, 23.4823,
23.2272

■ 19.8086, 23.4823,
23.2272

243.7304,
270.1926, 282.0494

■ 12.3634, 14.9500,
14.5545

■ 42.6025, 49.1841,
49.6940

■ 7.0657, 8.7843,
8.3642

■ 58.6819, 67.1223,
68.3252

■ 3.5499, 4.6008,
4.2378

■ 78.3701, 88.9648,
91.1130

■ 1.4508, 2.0150,
1.7567

■ 102.0324,
115.0957, 118.4759

■ 0.2920, 0.6162,
0.3991

130.0343,
145.8996, 150.8325

■ 0.0000, 0.0000,
0.0000

162.7410,

181.7607, 188.6012

200.5179,
223.0636, 232.2007

■ 19.8086, 23.4823,
23.2272

■ 19.8086, 23.4823,
23.2272

■ 17.7225, 22.4576,
20.8693

■ 22.2011, 24.6627,
25.7631

■ 15.9278, 21.5789,
18.6840

■ 24.9104, 26.0020,
28.4793

■ 14.4112, 20.8401,
16.6678

■ 27.9485, 27.5072,
31.3798

■ 13.1573, 20.2334,
14.8164

■ 31.3265, 29.1838,
34.4683

■ 12.1494, 19.7502,
13.1255

■ 35.0549, 31.0371,
37.7481

■ 11.3687, 19.3809,
11.5903

■ 39.1435, 33.0722,
41.2225

■ 10.7934, 19.1143,
10.2060

■ 43.6020, 35.2940,
44.8949

■ 10.3736, 18.9249,
8.9662

■ 48.4396, 37.7071,
48.7684

■ 10.3227, 18.9019,
8.8156

■ 53.6652, 40.3162,
52.8460

Harmonies

Analogous

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



20.5299, 23.4823, 20.1687



19.8086, 23.4823, 23.2272



19.7421, 23.4823, 27.2502

Triad

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



19.8086, 23.4823, 23.2272



22.8990, 23.4823, 34.0481



24.4180, 23.4823, 20.6537

Complementary

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



19.8086, 23.4823, 23.2272



20.3193, 18.8062, 22.2988

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.



25.1113, 23.4823, 23.9569



19.8086, 23.4823, 23.2272



24.2097, 23.4823, 31.8545

Square

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



19.8086, 23.4823, 23.2272



21.4861, 23.4823, 33.7990



25.0335, 23.4823, 28.0615



23.1736, 23.4823, 18.7955

Rectangle

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



19.8086, 23.4823, 23.2272



20.0743, 23.4823, 29.9750



25.0335, 23.4823, 28.0615



24.7256, 23.4823, 21.6161

Sweetspot

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



19.8093, 23.4833, 23.2277



40.9508, 44.7545, 47.3566



20.8823, 24.1272, 19.1796



9.3761, 10.2829, 10.8511



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



19.8093, 23.4833, 23.2277



34.0006, 41.3279, 39.9648



20.6721, 23.8284, 27.7713



5.0693, 5.6472, 5.8859



9.3249, 17.0626, 8.0019



0.0693, 0.1163, 0.0920

Inverse Universe

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



20.3193, 18.8062, 22.2988



35.0700, 31.5222, 38.0172



19.5584, 18.5019, 18.2918



5.1303, 5.0876, 5.7748



10.6022, 5.3510, 5.6756



0.0778, 0.0385, 0.0766

Previews

White Background



This preview shows how the XYZ color 19.8086, 23.4823, 23.2272 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 19.8086, 23.4823, 23.2272 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

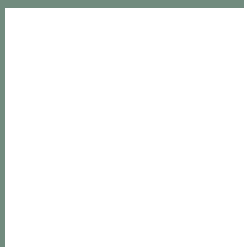
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.8086, 23.4823, 23.2272

Background



This preview shows how black text looks on a background with the XYZ color 19.8086, 23.4823, 23.2272.



This preview shows how white text looks on a background with the XYZ color 19.8086, 23.4823,

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

19.8086, 23.4823, 23.2272

Protanopia

22.2453, 23.3109, 21.7394

Deuteranopia

23.6481, 23.1999, 23.6537



Tritanopia

21.4067, 23.4968, 31.0108

Trichromacy



Original Color

19.8086, 23.4823, 23.2272

Protanomaly

21.2924, 23.4251, 22.1382

Deuteranomaly

22.0737, 23.1857, 23.3906

Tritanomaly

20.8083, 23.4684, 27.8592

Monochromacy



Original Color

19.8086, 23.4823, 23.2272

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.6622, 22.6451, 24.0508

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8086, 23.4823, 23.2272 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(113, 139, 126)` looks like.

```
.text, #text, p{  
    color:rgb(113, 139, 126)  
}
```

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(113, 139, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 139, 126) }
```

Border

The CSS property to change the border of an element to XYZ 19.8086, 23.4823, 23.2272 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(113, 139, 126) }
```


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

```
.border{ border-color:rgb(113, 139, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 139, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 139, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 139, 126); box-shadow:4px 4px 4px 4px rgb(113, 139, 126) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8086, 23.4823, 23.2272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 139, 126) }
```

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

```
.background{ background-color: rgb(113,  
139, 126) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor