

Converting Colors

XYZ(21.8647, 18.0653, 22.3583)

Have a look what the booklet for
XYZ(21.8647, 18.0653, 22.3583)
contains.

XYZ(21.8179, 18.0051, 22.4041)	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(21.8179, 18.0051,
22.4041)**

Conversions

Conversions Part 1

Format	Color
Hex	99677F
RGB	153, 103, 127
RGB Percent	60%, 40%, 50%
CMY	0.4000, 0.5961, 0.5020
CMYK	0.00, 0.33, 0.17, 0.40
HSL	331°, 20%, 50%
HSV	331°, 33%, 60%
XYZ	21.8179, 18.0051, 22.4041
YIQ	120.6860, 22.0960, 18.0640

Conversions

Conversions Part 2

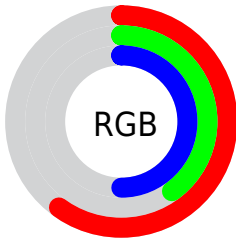
Format	Color
R_{YB}	153, 103, 127
Decimal	10053503
CIE _{Lab}	49.50, 23.81, -5.14
CIE _{LCh}	50, 24.356, 347.821
Yxy	18.0051, 0.3506, 0.2893
Android (android.graphics.Color)	4288243583 (0xFF99677F)
YUV	120.6860, 3.1128, 28.3394
Hunter-Lab	42.4324, 17.5244, -1.6021

Details

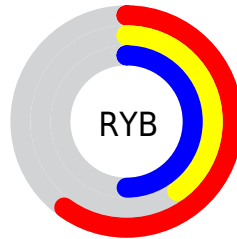
The XYZ color **21.8179, 18.0051, 22.4041** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.9480, 27.2515, 24.9261**, and the grayscale version is **18.0584, 18.9989, 20.6898**.

A 20% lighter version of the original color is **45.9720, 40.1479, 48.5063**, and **8.1082, 6.0491, 7.9480** is the 20% darker color. If you saturate the color by 10%, you get **19.9349, 15.0362, 19.3183**, and if you desaturate by 10%, it is **24.0214, 21.5490, 25.7992**.

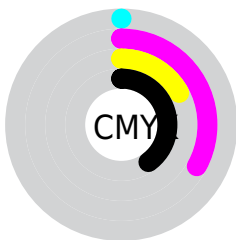
Distribution



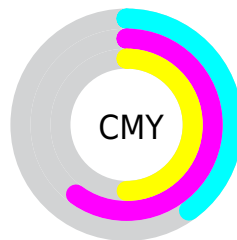
- Red (60%)
- Green (40%)
- Blue (50%)



- Red (60%)
- Yellow (40%)
- Blue (50%)



- Cyan (0%)
- Magenta (33%)
- Yellow (17%)
- Black (40%)



- Cyan (40%)
- Magenta (60%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8179, 18.0051, 22.4041 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 21.8179, 18.0051, 22.4041 by changing the saturation by 10% instead.

■ 21.8179, 18.0051,
22.4041

■ 21.8179, 18.0051,
22.4041

254.2441,
240.8998, 277.6714

■ 13.8390, 10.9536,
13.9530

■ 45.9259, 40.0460,
48.3237

■ 8.0897, 6.0357,
7.9496

■ 62.7858, 55.8043,
66.6293

■ 4.2047, 2.8668,
3.9754

■ 83.3367, 75.2336,
89.0567

■ 1.8186, 1.0626,
1.6119

■ 107.9440, 98.7183,
116.0246

■ 0.5288, 0.0000,
0.2993

136.9730,
126.6429, 147.9515

■ 0.0000, 0.0000,
0.0000

170.7891,

159.3918, 185.2559

209.7577,
197.3493, 228.3564

■ 21.8179, 18.0051,
22.4041

■ 21.8179, 18.0051,
22.4041

■ 19.9349, 15.0362,
19.3183

■ 24.0214, 21.5490,
25.7992

■ 18.3546, 12.6091,
16.5307

■ 26.5588, 25.6938,
29.5120

■ 17.0600, 10.6908,
14.0309


■ 29.4446, 30.4670,
33.5518


■ 16.0315, 9.2438,
11.8075


■ 32.6920, 35.8935,
37.9272


■ 15.2469, 8.2253,
9.8477

■ 36.3133, 41.9970,
42.6465


 14.6798, 7.5847,
8.1375

 40.3205, 48.7998,
47.7177

 14.3541, 7.2592,
7.0240

 44.7250, 56.3233,
53.1483

 49.5374, 64.5879,
58.9459

 54.7683, 73.6134,
65.1174

Harmonies

Analogous

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



20.6097, 18.0051, 29.4142



21.8179, 18.0051, 22.4041



21.6855, 18.0051, 15.9732

Triad

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



21.8179, 18.0051, 22.4041



15.7933, 18.0051, 9.8386



14.3084, 18.0051, 30.5863

Complementary

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



21.8179, 18.0051, 22.4041



20.9480, 27.2515, 24.9261

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.



13.2337, 18.0051, 23.7482



21.8179, 18.0051, 22.4041



14.0366, 18.0051, 12.2615

Square

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



21.8179, 18.0051, 22.4041



18.0648, 18.0051, 9.6359



13.1388, 18.0051, 17.0484



16.1958, 18.0051, 34.8007

Rectangle

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



21.8179, 18.0051, 22.4041



20.8557, 18.0051, 12.8099



13.1388, 18.0051, 17.0484



13.8477, 18.0051, 28.4563

Sweetspot

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



21.8184, 18.0059, 22.4045



48.7860, 48.0275, 54.5911



19.6287, 16.6554, 32.3175



10.6316, 10.3730, 11.8545



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.8184, 18.0059, 22.4045



36.6240, 28.3713, 36.1473



20.5193, 17.6196, 15.1524



6.3261, 6.2696, 7.0972



11.8800, 6.0062, 5.8932



0.1958, 0.0971, 0.1841

Inverse Universe

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



21.8184, 18.0059, 22.4045



36.6240, 28.3713, 36.1473



22.5992, 27.6945, 34.2917



6.3261, 6.2696, 7.0972



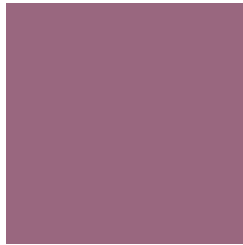
11.8800, 6.0062, 5.8932



0.1958, 0.0971, 0.1841

Previews

White Background



This preview shows how the XYZ color 21.8179, 18.0051, 22.4041 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 21.8179, 18.0051, 22.4041 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 21.8179, 18.0051, 22.4041

Background



This preview shows how black text looks on a background with the XYZ color 21.8179, 18.0051, 22.4041.



This preview shows how white text looks on a background with the XYZ color 21.8179, 18.0051,

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

21.8179, 18.0051, 22.4041

Protanopia

17.8755, 18.1450, 25.8527

Deuteranopia

18.4366, 18.1778, 21.9390



Tritanopia

20.7947, 17.8747, 17.9769

Trichromacy



Original Color

21.8179, 18.0051, 22.4041

Protanomaly

19.0811, 17.9489, 24.6491

Deuteranomaly

19.6037, 18.1095, 22.2009

Tritanomaly

21.1692, 17.8840, 19.4758

Monochromacy



Original Color

21.8179, 18.0051, 22.4041

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.2653, 18.4512, 21.2849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8179, 18.0051, 22.4041 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(153, 103, 127)` looks like.

```
.text, #text, p{  
    color:rgb(153, 103, 127)  
}
```

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(153, 103, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 103, 127) }
```

Border

The CSS property to change the border of an element to XYZ 21.8179, 18.0051, 22.4041 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(153, 103, 127) }
```


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

```
.border{ border-color:rgb(153, 103, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 103, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 103, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 103, 127);  
box-shadow:4px 4px 4px 4px rgb(153, 103,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8179, 18.0051, 22.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 103, 127) }
```

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

```
.background{ background-color: rgb(153,  
103, 127) }
```

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