

Converting Colors

XYZ(18.5543, 18.9723, 22.3486)

Have a look what the booklet for
XYZ(18.5543, 18.9723, 22.3486)
contains.

XYZ(18.5311, 18.9110, 22.4122)	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(18.5311, 18.9110,
22.4122)**

Conversions

Conversions Part 1

Format	Color
Hex	7B777E
RGB	123, 119, 126
RGB Percent	48%, 47%, 49%
CMY	0.5176, 0.5333, 0.5059
CMYK	0.02, 0.06, 0.00, 0.51
HSL	274°, 3%, 48%
HSV	274°, 6%, 49%
XYZ	18.5311, 18.9110, 22.4122
YIQ	120.9940, 0.1370, 3.0250

Conversions

Conversions Part 2

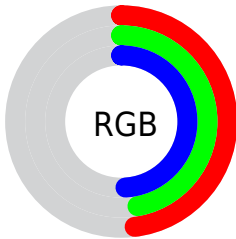
Format	Color
RYB	123, 119, 126
Decimal	8091518
CIELab	50.58, 2.93, -3.29
CIELCh	51, 4.407, 311.722
Yxy	18.9110, 0.3096, 0.3160
Android (android.graphics.Color)	4286281598 (0xFF7B777E)
YUV	120.9940, 2.4680, 1.7593
Hunter-Lab	43.4868, -0.0373, -0.1161

Details

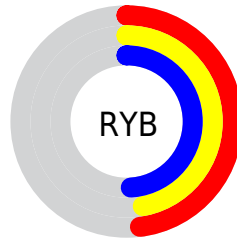
The XYZ color **18.5311, 18.9110, 22.4122** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.8175, 20.3918, 20.3980**, and the grayscale version is **18.1647, 19.1107, 20.8116**.

A 20% lighter version of the original color is **40.3788, 41.4945, 48.5289**, and **6.4168, 6.4981, 7.9372** is the 20% darker color. If you saturate the color by 10%, you get **16.3784, 15.7212, 21.9103**, and if you desaturate by 10%, it is **20.9264, 22.5220, 22.9832**.

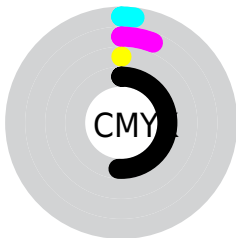
Distribution



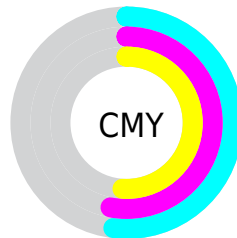
- Red (48%)
- Green (47%)
- Blue (49%)



- Red (48%)
- Yellow (47%)
- Blue (49%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)
- Black (51%)



- Cyan (52%)
- Magenta (53%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5311, 18.9110, 22.4122 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 18.5311, 18.9110, 22.4122 by changing the saturation by 10% instead.

■ 18.5311, 18.9110,
22.4122

■ 18.5311, 18.9110,
22.4122

236.8359,
245.9570, 277.7148

■ 11.4339, 11.6060,
13.9589

■ 40.4633, 41.5837,
48.3372

■ 6.4289, 6.4760,
7.9537

■ 56.0290, 57.7201,
66.6460

■ 3.1507, 3.1366,
3.9780

■ 75.1483, 77.5691,
89.0771

■ 1.2340, 1.2035,
1.6133

98.1866, 101.5151,
116.0489

■ 0.1329, 0.0645,
0.3003

125.5091,
129.9425, 147.9800

■ 0.0000, 0.0000,
0.0000

157.4812,

163.2357, 185.2890

194.4684,
201.7791, 228.3944

■ 18.5311, 18.9110,
22.4122

■ 18.5311, 18.9110,
22.4122

■ 16.3784, 15.7212,
21.9103

■ 20.9264, 22.5220,
22.9832

■ 14.4582, 12.9344,
21.4736

■ 23.5706, 26.5669,
23.6246

■ 12.7621, 10.5345,
21.0997

■ 26.4719, 31.0607,
24.3391

■ 11.2805, 8.5033,
20.7857

■ 29.6376, 36.0171,
25.1289

■ 10.0030, 6.8212,
20.5284

■ 33.0746, 41.4490,
25.9962

8.9183, 5.4668,
20.3241

36.7897, 47.3689,
26.9431

8.0139, 4.4160,
20.1690

40.7893, 53.7890,
27.9715

7.2755, 3.6416,
20.0584

45.0796, 60.7207,
29.0833

6.6802, 3.0990,
19.9851

49.6667, 68.1753,
30.2804

Harmonies

Analogous

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



18.1431, 18.9110, 23.0014



18.5311, 18.9110, 22.4122



18.7722, 18.9110, 21.3437

Triad

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



18.5311, 18.9110, 22.4122



18.2353, 18.9110, 18.4200



17.1756, 18.9110, 21.0764

Complementary

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



18.5311, 18.9110, 22.4122



18.8175, 20.3918, 20.3980

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.



17.1994, 18.9110, 19.8560



18.5311, 18.9110, 22.4122



17.8066, 18.9110, 18.3549

Square

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



18.5311, 18.9110, 22.4122



18.5995, 18.9110, 19.0525



17.4288, 18.9110, 18.8710



17.3633, 18.9110, 22.2099

Rectangle

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



18.5311, 18.9110, 22.4122



18.8148, 18.9110, 20.5197



17.4288, 18.9110, 18.8710



17.1593, 18.9110, 20.6622

Sweetspot

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



18.5316, 18.9118, 22.4126



34.0483, 35.4315, 39.7888



18.3381, 19.3564, 22.5086



7.7589, 8.0807, 9.0539



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



18.5316, 18.9118, 22.4126



31.9807, 32.3351, 39.3001



18.9375, 19.1245, 22.2748



4.4237, 4.4695, 5.4428



6.5986, 2.9554, 20.4726



0.0000, 0.0000, 0.0000

Inverse Universe

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



18.7146, 19.0353, 21.1013



32.3952, 32.6147, 36.3404



18.4272, 20.1873, 20.5264



4.4821, 4.5089, 5.0259



9.5087, 4.8232, 4.0024



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 18.5311, 18.9110, 22.4122 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 18.5311, 18.9110, 22.4122 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 18.5311, 18.9110, 22.4122

Background



This preview shows how black text looks on a background with the XYZ color 18.5311, 18.9110, 22.4122.



This preview shows how white text looks on a background with the XYZ color 18.5311, 18.9110,

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

18.5311, 18.9110, 22.4122

Protanopia

18.3675, 19.0042, 22.4388

Deuteranopia

19.1804, 18.8961, 22.3750



Tritanopia

18.6615, 18.9631, 23.0988

Trichromacy



Original Color

18.5311, 18.9110, 22.4122

Protanomaly

18.5084, 19.0769, 22.4454

Deuteranomaly

18.9967, 18.9753, 22.4000

Tritanomaly

18.5960, 18.9369, 22.7537

Monochromacy



Original Color

18.5311, 18.9110, 22.4122

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.3177, 19.0006, 21.4409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5311, 18.9110, 22.4122 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(123, 119, 126)` looks like.

```
.text, #text, p{  
    color:rgb(123, 119, 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(123, 119, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 119, 126) }
```

Border

The CSS property to change the border of an element to XYZ 18.5311, 18.9110, 22.4122 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(123, 119, 126) }
```


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

```
.border{ border-color:rgb(123, 119, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 119, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 119, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 119, 126);  
box-shadow:4px 4px 4px 4px rgb(123, 119,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5311, 18.9110, 22.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 119, 126) }
```

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

```
.background{ background-color: rgb(123,  
119, 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