

Converting Colors

XYZ(20.3818, 22.4182, 18.5821)

Have a look what the booklet for
XYZ(20.3818, 22.4182, 18.5821)
contains.

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Color

**XYZ(20.3818, 22.4182,
18.5821)**

Conversions

Conversions Part 1

Format	Color
Hex	828470
RGB	130, 132, 112
RGB Percent	51%, 52%, 44%
CMY	0.4902, 0.4823, 0.5608
CMYK	0.02, 0.00, 0.15, 0.48
HSL	66°, 8%, 48%
HSV	66°, 15%, 52%
XYZ	20.3818, 22.4182, 18.5821
YIQ	129.1220, 5.2280, -6.6440

Conversions

Conversions Part 2

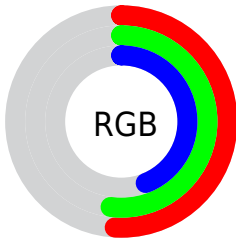
Format	Color
R_{YB}	112, 132, 114
Decimal	8553584
CIE _{Lab}	54.47, -4.47, 10.56
CIE _{LCh}	54, 11.465, 112.922
Yxy	22.4182, 0.3320, 0.3652
Android (android.graphics.Color)	4286743664 (0xFF828470)
YUV	129.1220, -8.4411, 0.7700
Hunter-Lab	47.3479, -6.0200, 9.8746

Details

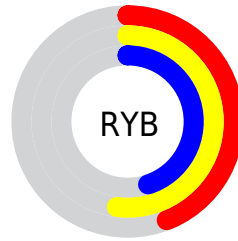
The XYZ color **20.3818, 22.4182, 18.5821** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **16.8993, 16.8323, 24.1893**, and the grayscale version is **20.9368, 22.0272, 23.9876**.

A 20% lighter version of the original color is **43.5782, 47.4455, 41.9830**, and **7.4120, 8.3060, 6.0631** is the 20% darker color. If you saturate the color by 10%, you get **19.4989, 22.0425, 14.9814**, and if you desaturate by 10%, it is **21.3763, 22.8403, 22.7515**.

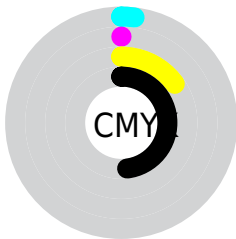
Distribution



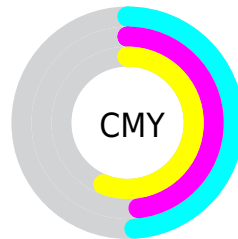
- Red (51%)
- Green (52%)
- Blue (44%)



- Red (44%)
- Yellow (52%)
- Blue (45%)



- Cyan (2%)
- Magenta (0%)
- Yellow (15%)
- Black (48%)



- Cyan (49%)
- Magenta (48%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3818, 22.4182, 18.5821 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 20.3818, 22.4182, 18.5821 by changing the saturation by 10% instead.

■ 20.3818, 22.4182,
18.5821

■ 20.3818, 22.4182,
18.5821

246.7690,
264.7225, 256.4773

■ 12.7828, 14.1645,
11.1950

■ 43.5555, 47.4362,
41.8540

■ 7.3551, 8.2352,
6.0823

■ 59.8608, 64.9693,
58.5758

■ 3.7334, 4.2458,
2.8256

■ 79.7989, 86.3644,
79.2463

■ 1.5525, 1.8120,
1.0063

■ 103.7352,
112.0058, 104.2840

■ 0.3611, 0.4946,
0.0000

132.0350,
142.2779, 134.1074

■ 0.0000, 0.0000,
0.0000

165.0636,

177.5651, 169.1350

203.1865,
218.2519, 209.7855

■ 20.3818, 22.4182,
18.5821

■ 20.3818, 22.4182,
18.5821

■ 19.4989, 22.0425,
14.9814

■ 21.3763, 22.8403,
22.7515

■ 18.7210, 21.7084,
11.9233

■ 22.4851, 23.3077,
27.5112

■ 18.0439, 21.4149,
9.3820

■ 23.7127, 23.8230,
32.8836

■ 17.4620, 21.1597,
7.3288

■ 25.0633, 24.3877,
38.8894

■ 16.9693, 20.9406,
5.7322

■ 26.5405, 25.0033,
45.5482

■ 16.5593, 20.7548,
4.5574

■ 28.1479, 25.6714,
52.8789

■ 16.2243, 20.5993,
3.7642

■ 29.8890, 26.3932,
60.8998

■ 15.9531, 20.4696,
3.2939

■ 31.7671, 27.1702,
69.6281

■ 15.8300, 20.4102,
3.1052

■ 33.7855, 28.0035,
79.0808

Harmonies

Analogous

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



21.6065, 22.4182, 18.1741



20.3818, 22.4182, 18.5821



19.4402, 22.4182, 20.4759

Triad

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



20.3818, 22.4182, 18.5821



19.8860, 22.4182, 30.3483



23.7931, 22.4182, 25.2710

Complementary

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



20.3818, 22.4182, 18.5821



16.8993, 16.8323, 24.1893

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.



23.2914, 22.4182, 28.8174



20.3818, 22.4182, 18.5821



21.0119, 22.4182, 31.9295

Square

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



20.3818, 22.4182, 18.5821



19.1618, 22.4182, 27.2012



22.2615, 22.4182, 31.3435



23.6083, 22.4182, 21.8159

Rectangle

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



20.3818, 22.4182, 18.5821



19.0835, 22.4182, 22.4360



22.2615, 22.4182, 31.3435



23.6986, 22.4182, 26.4957

Sweetspot

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



20.3824, 22.4192, 18.5826



37.6600, 40.2342, 40.1070



18.4584, 18.1106, 17.8523



8.7422, 9.3564, 9.2281



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.



20.3824, 22.4192, 18.5826



35.3750, 39.2652, 30.5629



18.9224, 21.6665, 18.5143



4.9950, 5.4000, 5.0084



15.3291, 19.7624, 3.0066



0.0564, 0.0702, 0.0106

Inverse Universe

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



16.8993, 16.8323, 24.1893



28.0869, 27.5745, 42.2952



18.2719, 17.5399, 24.2535



4.4746, 4.5652, 5.8461



4.1989, 1.6988, 21.2433



0.0172, 0.0072, 0.0737

Previews

White Background



This preview shows how the XYZ color 20.3818, 22.4182, 18.5821 looks on a white background.

Color Contrast Check

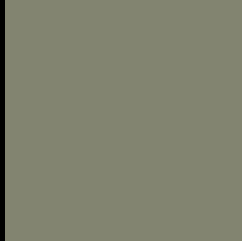
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3818, 22.4182, 18.5821 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

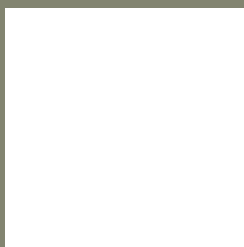
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3818, 22.4182, 18.5821

Background



This preview shows how black text looks on a background with the XYZ color 20.3818, 22.4182, 18.5821.



This preview shows how white text looks on a background with the XYZ color 20.3818, 22.4182,

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

20.3818, 22.4182, 18.5821

Protanopia

21.1684, 22.4313, 18.2529

Deuteranopia

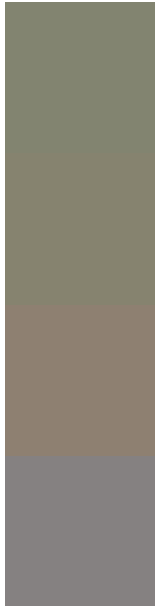
22.7087, 22.2490, 18.7204



Tritanopia

22.1381, 22.3417, 27.1903

Trichromacy



Original Color

20.3818, 22.4182, 18.5821

Protanomaly

20.8171, 22.4486, 18.2748

Deuteranomaly

21.8551, 22.3814, 18.7909

Tritanomaly

21.4856, 22.2720, 23.9354

Monochromacy



Original Color

20.3818, 22.4182, 18.5821

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.6110, 22.0625, 21.9111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3818, 22.4182, 18.5821 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(130, 132, 112)` looks like.

```
.text, #text, p{  
    color:rgb(130, 132, 112)  
}
```

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(130, 132, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 132, 112) }
```

Border

The CSS property to change the border of an element to XYZ 20.3818, 22.4182, 18.5821 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(130, 132, 112) }
```


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

```
.border{ border-color:rgb(130, 132, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 132, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 132, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 132, 112);  
box-shadow:4px 4px 4px 4px rgb(130, 132,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3818, 22.4182, 18.5821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 132, 112) }
```

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

```
.background{ background-color: rgb(130,  
132, 112) }
```

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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