

Converting Colors

XYZ(22.1000, 23.5072, 19.9363)

Have a look what the booklet for
XYZ(22.1000, 23.5072, 19.9363)
contains.

XYZ(22.0211, 23.4393, 19.8866)	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(22.0211, 23.4393,
19.8866)**

Conversions

Conversions Part 1

Format	Color
Hex	8A8574
RGB	138, 133, 116
RGB Percent	54%, 52%, 45%
CMY	0.4588, 0.4784, 0.5451
CMYK	0.00, 0.04, 0.16, 0.46
HSL	46°, 9%, 50%
HSV	46°, 16%, 54%
XYZ	22.0211, 23.4393, 19.8866
YIQ	132.5570, 8.4370, -4.2270

Conversions

Conversions Part 2

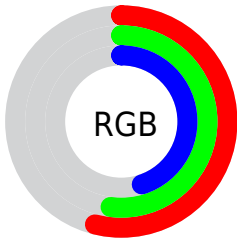
Format	Color
R _Y B	122, 138, 116
Decimal	9078132
CIE Lab	55.52, -1.19, 9.84
CIE LCh	56, 9.911, 96.903
Yxy	23.4393, 0.3370, 0.3587
Android (android.graphics.Color)	4287268212 (0xFF8A8574)
YUV	132.5570, -8.1626, 4.7735
Hunter-Lab	48.4142, -3.5343, 9.5359

Details

The XYZ color **22.0211, 23.4393, 19.8866** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.6271, 19.2222, 26.7733**, and the grayscale version is **22.1605, 23.3145, 25.3895**.

A 20% lighter version of the original color is **46.3650, 49.1514, 44.0893**, and **8.2382, 8.8327, 6.7395** is the 20% darker color. If you saturate the color by 10%, you get **20.8548, 22.2972, 15.8273**, and if you desaturate by 10%, it is **23.3208, 24.6568, 24.5793**.

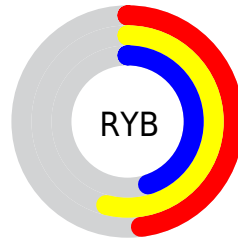
Distribution



Red (54%)

Green (52%)

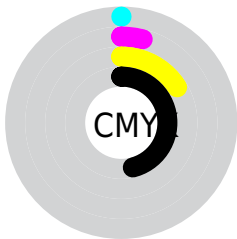
Blue (45%)



Red (48%)

Yellow (54%)

Blue (45%)

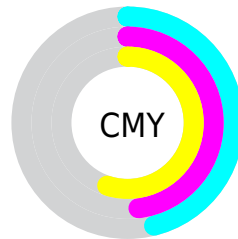


Cyan (0%)

Magenta (4%)

Yellow (16%)

Black (46%)



Cyan (46%)

Magenta (48%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0211, 23.4393, 19.8866 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 22.0211, 23.4393, 19.8866 by changing the saturation by 10% instead.

■ 22.0211, 23.4393,
19.8866

■ 22.0211, 23.4393,
19.8866

255.2867,
269.9734, 263.8845

■ 13.9891, 14.9182,
12.1294

■ 46.2595, 49.1137,
44.0834

■ 8.1947, 8.7620,
6.7082

■ 63.1965, 67.0357,
61.3602

■ 4.2727, 4.5863,
3.2046

■ 83.8327, 88.8602,
82.6471

■ 1.8575, 2.0066,
1.2001

108.5332,
114.9716, 108.3628

■ 0.5520, 0.6113,
0.0000

137.6635,
145.7542, 138.9259

■ 0.0000, 0.0000,
0.0000

171.5890,

181.5924, 174.7548

210.6749,
222.8707, 216.2682

■ 22.0211, 23.4393,
19.8866

■ 22.0211, 23.4393,
19.8866

■ 20.8548, 22.2972,
15.8273

■ 23.3208, 24.6568,
24.5793

■ 19.8146, 21.2250,
12.3724

■ 24.7569, 25.9489,
29.9298

■ 18.8954, 20.2214,
9.4925

■ 26.3349, 27.3185,
35.9631

■ 18.0910, 19.2836,
7.1554

■ 28.0593, 28.7676,
42.7025

■ 17.3945, 18.4088,
5.3259

■ 29.9344, 30.2982,
50.1700

■ 16.7983, 17.5937,
3.9642

■ 31.9642, 31.9121,
58.3868

■ 16.2937, 16.8346,
3.0248

■ 34.1528, 33.6109,
67.3732

■ 15.8671, 16.1259,
2.4372

■ 36.5039, 35.3964,
77.1487

■ 15.7034, 15.8475,
2.2312

■ 39.0212, 37.2702,
87.7321

Harmonies

Analogous

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



23.1320, 23.4393, 20.2690



22.0211, 23.4393, 19.8866



21.0128, 23.4393, 20.9099

Triad

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



22.0211, 23.4393, 19.8866



20.6039, 23.4393, 29.3978



24.3139, 23.4393, 28.0125

Complementary

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



22.0211, 23.4393, 19.8866



18.6271, 19.2222, 26.7733

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.



23.5937, 23.4393, 30.7655



22.0211, 23.4393, 19.8866



21.4460, 23.4393, 31.6109

Square

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



22.0211, 23.4393, 19.8866



20.2125, 23.4393, 26.2682



22.5376, 23.4393, 32.1312



24.4804, 23.4393, 24.7889

Rectangle

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



22.0211, 23.4393, 19.8866



20.5263, 23.4393, 22.3063



22.5376, 23.4393, 32.1312



24.1274, 23.4393, 29.0315

Sweetspot

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



22.0217, 23.4403, 19.8871



41.3088, 43.6469, 44.0673



20.1862, 19.2781, 20.7894



9.2325, 9.7597, 9.7632



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.



22.0217, 23.4403, 19.8871



38.0786, 40.6051, 32.4512



21.7776, 24.3543, 20.0764



5.3364, 5.6556, 5.3628



14.4090, 14.5523, 2.0494



0.1066, 0.1185, 0.0172

Inverse Universe

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



18.6271, 19.2222, 26.7733



30.9652, 31.7665, 46.8827



18.8403, 18.4539, 26.6137



4.8609, 5.0647, 6.3272



4.6732, 2.6168, 22.3045



0.0405, 0.0363, 0.1513

Previews

White Background



This preview shows how the XYZ color 22.0211, 23.4393, 19.8866 looks on a white background.

Color Contrast Check

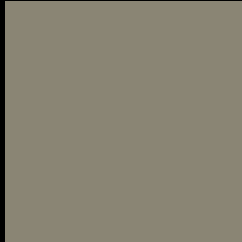
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0211, 23.4393, 19.8866 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

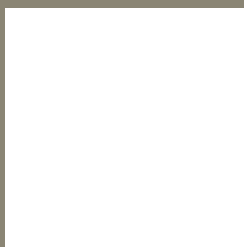
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0211, 23.4393, 19.8866

Background



This preview shows how black text looks on a background with the XYZ color 22.0211, 23.4393, 19.8866.



This preview shows how white text looks on a background with the XYZ color 22.0211, 23.4393,

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

22.0211, 23.4393, 19.8866

Protanopia

22.1874, 23.5250, 19.8944

Deuteranopia

23.8790, 23.3981, 20.0873



Tritanopia

23.7008, 23.5214, 28.1019

Trichromacy



Original Color

22.0211, 23.4393, 19.8866

Protanomaly

22.1874, 23.5250, 19.8944

Deuteranomaly

23.2261, 23.4527, 20.1323

Tritanomaly

23.0283, 23.4467, 24.7847

Monochromacy



Original Color

22.0211, 23.4393, 19.8866

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.2100, 23.4583, 23.4360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0211, 23.4393, 19.8866 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(138, 133, 116)` looks like.

```
.text, #text, p{  
    color:rgb(138, 133, 116)  
}
```

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(138, 133, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 133, 116) }
```

Border

The CSS property to change the border of an element to XYZ 22.0211, 23.4393, 19.8866 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(138, 133, 116) }
```


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

```
.border{ border-color:rgb(138, 133, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 133, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 133, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 133, 116);  
box-shadow:4px 4px 4px 4px rgb(138, 133,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0211, 23.4393, 19.8866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 133, 116) }
```

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

```
.background{ background-color: rgb(138,  
133, 116) }
```

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