

Converting Colors

XYZ(20.7505, 22.3143, 22.3001)

Have a look what the booklet for
XYZ(20.7505, 22.3143, 22.3001)
contains.

XYZ(20.8077, 22.3550, 22.2870)	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(20.8077, 22.3550,
22.2870)**

Conversions

Conversions Part 1

Format	Color
Hex	81837C
RGB	129, 131, 124
RGB Percent	51%, 51%, 49%
CMY	0.4941, 0.4863, 0.5137
CMYK	0.02, 0.00, 0.05, 0.49
HSL	77°, 3%, 50%
HSV	77°, 5%, 51%
XYZ	20.8077, 22.3550, 22.2870
YIQ	129.6040, 1.0550, -2.6010

Conversions

Conversions Part 2

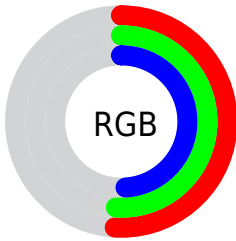
Format	Color
R_{YB}	124, 131, 126
Decimal	8487804
CIE _{Lab}	54.40, -2.11, 3.51
CIE _{LCh}	54, 4.099, 120.972
Yxy	22.3550, 0.3179, 0.3416
Android (android.graphics.Color)	4286677884 (0xFF81837C)
YUV	129.6040, -2.7628, -0.5297
Hunter-Lab	47.2811, -4.1867, 5.1491

Details

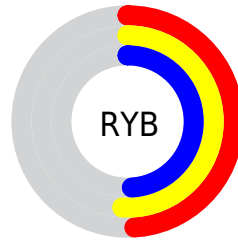
The XYZ color **20.8077, 22.3550, 22.2870** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.9094, 20.4902, 24.3796**, and the grayscale version is **21.0881, 22.1863, 24.1609**.

A 20% lighter version of the original color is **44.2684, 47.3607, 47.8826**, and **7.5956, 8.2481, 7.8483** is the 20% darker color. If you saturate the color by 10%, you get **19.4753, 21.7582, 18.1835**, and if you desaturate by 10%, it is **22.2723, 23.0085, 26.9722**.

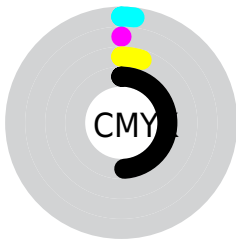
Distribution



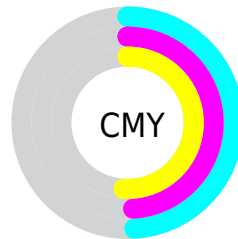
- Red (51%)
- Green (51%)
- Blue (49%)



- Red (49%)
- Yellow (51%)
- Blue (49%)



- Cyan (2%)
- Magenta (0%)
- Yellow (5%)
- Black (49%)



- Cyan (49%)
- Magenta (49%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8077, 22.3550, 22.2870 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 20.8077, 22.3550, 22.2870 by changing the saturation by 10% instead.

■ 20.8077, 22.3550,
22.2870

■ 20.8077, 22.3550,
22.2870

249.0059,
264.3946, 277.0437

■ 13.0952, 14.1180,
13.8676

■ 44.2610, 47.3320,
48.1281

■ 7.5716, 8.2028,
7.8909

■ 60.7324, 64.8408,
66.3870

■ 3.8715, 4.2250,
3.9385

■ 80.8542, 86.2090,
88.7627

■ 1.6297, 1.8002,
1.5917

104.9917,
111.8210, 115.6739

■ 0.4117, 0.4873,
0.2849

133.5103,
142.0612, 147.5390

■ 0.0000, 0.0000,
0.0000

166.7752,

177.3139, 184.7767

205.1520,
217.9636, 227.8054

■ 20.8077, 22.3550,
22.2870

■ 20.8077, 22.3550,
22.2870

■ 19.4753, 21.7582,
18.1835

■ 22.2723, 23.0085,
26.9722

■ 18.2687, 21.2134,
14.6376

■ 23.8716, 23.7176,
32.2591

■ 17.1837, 20.7196,
11.6256

■ 25.6101, 24.4849,
38.1686

■ 16.2152, 20.2748,
9.1214

■ 27.4919, 25.3119,
44.7200

■ 15.3576, 19.8766,
7.0970

■ 29.5207, 26.2002,
51.9319

■ 14.6047, 19.5226,
5.5216

■ 31.7000, 27.1513,
59.8221

■ 13.9499, 19.2100,
4.3605

■ 34.0332, 28.1665,
68.4077

■ 13.3854, 18.9358,
3.5745

■ 36.5238, 29.2473,
77.7053

■ 12.8995, 18.6953,
3.1038

■ 39.1749, 30.3948,
87.7308

Harmonies

Analogous

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



21.2331, 22.3550, 21.9574



20.8077, 22.3550, 22.2870



20.5037, 22.3550, 23.1637

Triad

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



20.8077, 22.3550, 22.2870



20.8327, 22.3550, 26.5614



22.1204, 22.3550, 24.2990

Complementary

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



20.8077, 22.3550, 22.2870



19.9094, 20.4902, 24.3796

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.



22.0096, 22.3550, 25.5571



20.8077, 22.3550, 22.2870



21.2624, 22.3550, 26.8907

Square

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



20.8077, 22.3550, 22.2870



20.5180, 22.3550, 25.6321



21.6940, 22.3550, 26.5170



21.9946, 22.3550, 23.0936

Rectangle

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



20.8077, 22.3550, 22.2870



20.4086, 22.3550, 23.9559



21.6940, 22.3550, 26.5170



22.1096, 22.3550, 24.7298

Sweetspot

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



20.8083, 22.3560, 22.2875



38.0999, 40.4071, 42.5607



20.4577, 21.1987, 22.0826



8.8789, 9.4114, 9.9359



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.



20.8083, 22.3560, 22.2875



37.0635, 39.9442, 39.2897



20.2882, 22.0878, 22.2631



5.0041, 5.3985, 5.2868



12.4898, 18.2987, 2.8737



0.0505, 0.0671, 0.0103

Inverse Universe

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



19.9094, 20.4902, 24.3796



35.2243, 36.1270, 43.5698



20.4320, 20.7596, 24.4040



4.7454, 4.8615, 5.8890



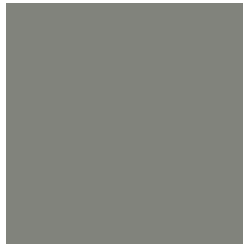
4.8022, 2.0098, 21.2715



0.0231, 0.0103, 0.0740

Previews

White Background



This preview shows how the XYZ color 20.8077, 22.3550, 22.2870 looks on a white background.

Color Contrast Check

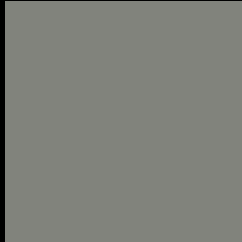
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8077, 22.3550, 22.2870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

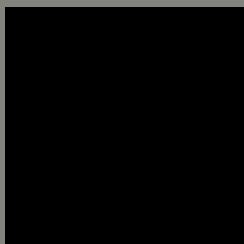
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

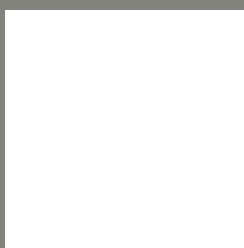
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8077, 22.3550, 22.2870

Background



This preview shows how black text looks on a background with the XYZ color 20.8077, 22.3550, 22.2870.

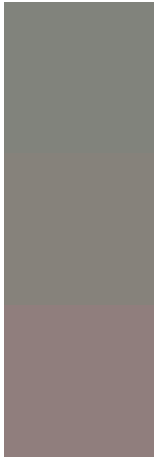


This preview shows how white text looks on a background with the XYZ color 20.8077, 22.3550,

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

20.8077, 22.3550, 22.2870

Protanopia

21.3893, 22.4637, 21.9475

Deuteranopia

22.6641, 22.3317, 22.5180



Tritanopia

21.8705, 22.3899, 27.5951

Trichromacy



Original Color

20.8077, 22.3550, 22.2870

Protanomaly

21.0735, 22.3009, 21.9327

Deuteranomaly

22.0683, 22.4080, 22.5641

Tritanomaly

21.4916, 22.4323, 25.7514

Monochromacy



Original Color

20.8077, 22.3550, 22.2870

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.0848, 22.2696, 23.6092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8077, 22.3550, 22.2870 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(129, 131, 124)` looks like.

```
.text, #text, p{  
    color:rgb(129, 131, 124)  
}
```

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(129, 131, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 131, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.8077, 22.3550, 22.2870 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(129, 131, 124) }
```


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

```
.border{ border-color:rgb(129, 131, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 131, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 131, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 131, 124);  
box-shadow:4px 4px 4px 4px rgb(129, 131,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8077, 22.3550, 22.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 131, 124) }
```

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

```
.background{ background-color: rgb(129,  
131, 124) }
```

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