

Converting Colors

XYZ(20.7072, 22.2515, 20.6997)

Have a look what the booklet for
XYZ(20.7072, 22.2515, 20.6997)
contains.

XYZ(20.8061, 22.3898, 20.6778)	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(20.8061, 22.3898,
20.6778)**

Conversions

Conversions Part 1

Format	Color
Hex	838377
RGB	131, 131, 119
RGB Percent	51%, 51%, 47%
CMY	0.4863, 0.4863, 0.5333
CMYK	0.00, 0.00, 0.09, 0.49
HSL	60°, 5%, 49%
HSV	60°, 9%, 51%
XYZ	20.8061, 22.3898, 20.6778
YIQ	129.6320, 3.8520, -3.7320

Conversions

Conversions Part 2

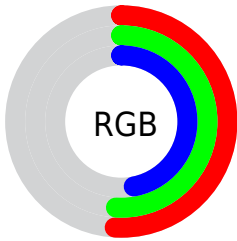
Format	Color
R_{YB}	119, 131, 119
Decimal	8618871
CIE Lab	54.44, -2.27, 6.49
CIE LCh	54, 6.873, 109.327
Yxy	22.3898, 0.3257, 0.3505
Android (android.graphics.Color)	4286808951 (0xFF838377)
YUV	129.6320, -5.2416, 1.1997
Hunter-Lab	47.3179, -4.3182, 7.2129

Details

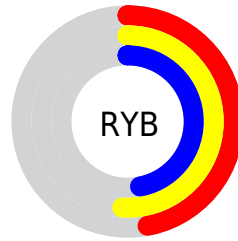
The XYZ color **20.8061, 22.3898, 20.6778** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.3022, 18.7549, 24.1294**, and the grayscale version is **21.1056, 22.2048, 24.1810**.

A 20% lighter version of the original color is **44.2583, 47.4116, 45.3468**, and **7.6343, 8.2834, 7.1577** is the 20% darker color. If you saturate the color by 10%, you get **20.0727, 22.0971, 16.8158**, and if you desaturate by 10%, it is **21.6492, 22.7278, 25.1120**.

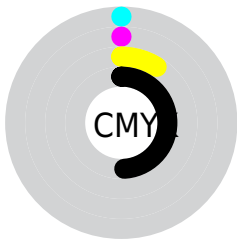
Distribution



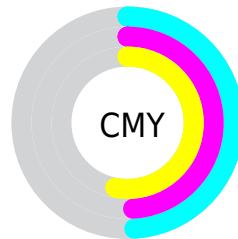
- Red (51%)
- Green (51%)
- Blue (47%)



- Red (47%)
- Yellow (51%)
- Blue (47%)



- Cyan (0%)
- Magenta (0%)
- Yellow (9%)
- Black (49%)



- Cyan (49%)
- Magenta (49%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8061, 22.3898, 20.6778 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 20.8061, 22.3898, 20.6778 by changing the saturation by 10% instead.

■ 20.8061, 22.3898,
20.6778

■ 20.8061, 22.3898,
20.6778

248.9975,
264.5752, 268.2858

■ 13.0940, 14.1436,
12.6997

■ 44.2583, 47.3894,
45.4245

■ 7.5707, 8.2206,
7.0938

■ 60.7291, 64.9116,
63.0302

■ 3.8710, 4.2364,
3.4415

■ 80.8503, 86.2946,
84.6822

■ 1.6294, 1.8067,
1.3243

104.9870,
111.9228, 110.7991

■ 0.4115, 0.4913,
0.0815

133.5047,
142.1805, 141.7993

■ 0.0000, 0.0000,
0.0000

166.7688,

177.4523, 178.1015

205.1446,
218.1223, 220.1241

■ 20.8061, 22.3898,
20.6778

■ 20.8061, 22.3898,
20.6778

■ 20.0727, 22.0971,
16.8158

■ 21.6492, 22.7278,
25.1120

■ 19.4428, 21.8451,
13.5014

■ 22.6044, 23.1100,
30.1389

■ 18.9122, 21.6328,
10.7102

■ 23.6761, 23.5387,
35.7798

■ 18.4759, 21.4582,
8.4155

■ 24.8681, 24.0156,
42.0542

■ 18.1284, 21.3191,
6.5882

■ 26.1841, 24.5420,
48.9812

■ 17.8635, 21.2131,
5.1963

■ 27.6274, 25.1194,
56.5787

■ 17.6744, 21.1374,
4.2035

■ 29.2013, 25.7491,
64.8642

■ 17.5532, 21.0889,
3.5680

■ 30.9091, 26.4322,
73.8544

■ 17.4781, 21.0588,
3.1751

■ 32.7537, 27.1701,
83.5653

Harmonies

Analogous

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



21.5496, 22.3898, 20.5333



20.8061, 22.3898, 20.6778



20.2034, 22.3898, 21.7794

Triad

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



20.8061, 22.3898, 20.6778



20.3527, 22.3898, 27.6545



22.7329, 22.3898, 25.1533

Complementary

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



20.8061, 22.3898, 20.6778



18.3022, 18.7549, 24.1294

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.



22.3959, 22.3898, 27.1770



20.8061, 22.3898, 20.6778



21.0143, 22.3898, 28.6765

Square

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



20.8061, 22.3898, 20.6778



19.9460, 22.3898, 25.7743



21.7627, 22.3898, 28.4967



22.6740, 22.3898, 23.0343

Rectangle

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



20.8061, 22.3898, 20.6778



19.9571, 22.3898, 22.9465



21.7627, 22.3898, 28.4967



22.6618, 22.3898, 25.8693

Sweetspot

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



20.8067, 22.3908, 20.6783



38.1539, 40.4532, 41.7414



19.2874, 19.3514, 20.1717



8.8567, 9.4078, 9.5797



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.



20.8067, 22.3908, 20.6783



36.9676, 39.9786, 35.4983



19.9044, 21.9256, 20.6361



5.0396, 5.4230, 5.0105



17.1976, 20.7256, 3.0940



0.0596, 0.0718, 0.0107

Inverse Universe

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



18.3022, 18.7549, 24.1294



31.5342, 32.0907, 42.9853



19.1517, 19.1928, 24.1691



4.4346, 4.5446, 5.8442



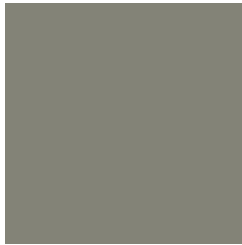
4.0331, 1.6133, 21.2355



0.0140, 0.0056, 0.0736

Previews

White Background



This preview shows how the XYZ color 20.8061, 22.3898, 20.6778 looks on a white background.

Color Contrast Check

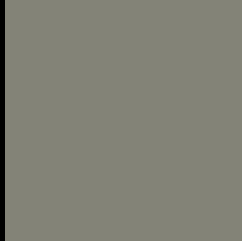
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8061, 22.3898, 20.6778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

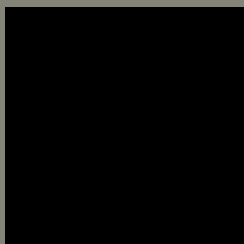
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

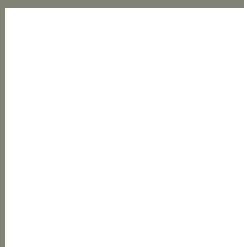
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8061, 22.3898, 20.6778

Background



This preview shows how black text looks on a background with the XYZ color 20.8061, 22.3898, 20.6778.



This preview shows how white text looks on a background with the XYZ color 20.8061, 22.3898,

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

20.8061, 22.3898, 20.6778

Protanopia

21.2443, 22.4242, 20.3481

Deuteranopia

22.7051, 22.3888, 20.8941



Tritanopia

22.1381, 22.3417, 27.1903

Trichromacy



Original Color

20.8061, 22.3898, 20.6778

Protanomaly

21.0842, 22.3416, 20.3406

Deuteranomaly

22.0938, 22.4571, 20.9395

Tritanomaly

21.6199, 22.3258, 24.6425

Monochromacy



Original Color

20.8061, 22.3898, 20.6778

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.9544, 22.2174, 22.9226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8061, 22.3898, 20.6778 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(131, 131, 119)` looks like.

```
.text, #text, p{  
    color:rgb(131, 131, 119)  
}
```

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(131, 131, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 131, 119) }
```

Border

The CSS property to change the border of an element to XYZ 20.8061, 22.3898, 20.6778 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(131, 131, 119) }
```


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

```
.border{ border-color:rgb(131, 131, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 131, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 131, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 131, 119);  
box-shadow:4px 4px 4px 4px rgb(131, 131,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8061, 22.3898, 20.6778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 131, 119) }
```

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

```
.background{ background-color: rgb(131,  
131, 119) }
```

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