

Converting Colors

XYZ(20.8475, 21.8273, 21.7886)

Have a look what the booklet for
XYZ(20.8475, 21.8273, 21.7886)
contains.

XYZ(20.8100, 21.7739, 21.8449)	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(20.8100, 21.7739,
21.8449)**

Conversions

Conversions Part 1

Format	Color
Hex	84807B
RGB	132, 128, 123
RGB Percent	52%, 50%, 48%
CMY	0.4824, 0.4980, 0.5176
CMYK	0.00, 0.03, 0.07, 0.48
HSL	33°, 4%, 50%
HSV	33°, 7%, 52%
XYZ	20.8100, 21.7739, 21.8449
YIQ	128.6260, 3.9890, -0.7070

Conversions

Conversions Part 2

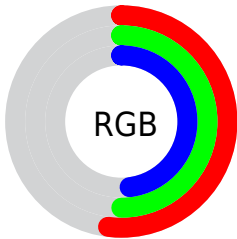
Format	Color
R_{YB}	130, 132, 123
Decimal	8683643
CIE Lab	53.79, 0.55, 3.24
CIE LCh	54, 3.285, 80.292
Yxy	21.7739, 0.3230, 0.3380
Android (android.graphics.Color)	4286873723 (0xFF84807B)
YUV	128.6260, -2.7736, 2.9590
Hunter-Lab	46.6625, -2.0541, 4.9073

Details

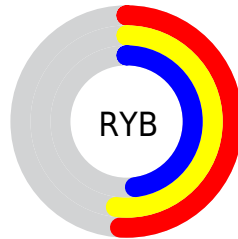
The XYZ color **20.8100, 21.7739, 21.8449** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.9226, 21.0553, 24.8440**, and the grayscale version is **20.7444, 21.8247, 23.7671**.

A 20% lighter version of the original color is **44.2693, 46.4572, 47.1913**, and **7.5993, 7.9254, 7.6078** is the 20% darker color. If you saturate the color by 10%, you get **19.2962, 19.9806, 17.5347**, and if you desaturate by 10%, it is **22.4807, 23.7021, 26.7577**.

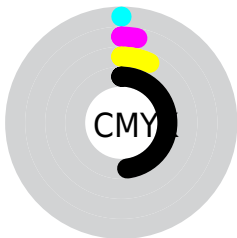
Distribution



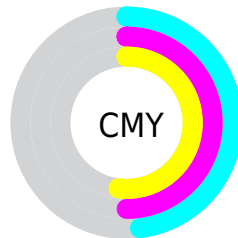
- Red (52%)
- Green (50%)
- Blue (48%)



- Red (51%)
- Yellow (52%)
- Blue (48%)



- Cyan (0%)
- Magenta (3%)
- Yellow (7%)
- Black (48%)



- Cyan (48%)
- Magenta (50%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8100, 21.7739, 21.8449 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 20.8100, 21.7739, 21.8449 by changing the saturation by 10% instead.

■ 20.8100, 21.7739,
21.8449

■ 20.8100, 21.7739,
21.8449

249.0179,
261.3632, 274.6623

■ 13.0969, 13.6909,
13.5458

■ 44.2648, 46.3720,
47.3884

■ 7.5727, 7.9060,
7.6703

■ 60.7371, 63.6559,
65.4699

■ 3.8723, 4.0348,
3.8000

■ 80.8599, 84.7755,
87.6492

■ 1.6301, 1.6931,
1.5163

104.9985,
110.1152, 114.3448

■ 0.4119, 0.4192,
0.2300

133.5182,
140.0594, 145.9755

■ 0.0000, 0.0000,
0.0000

166.7844,

174.9926, 182.9595

205.1626,
215.2991, 225.7156

■ 20.8100, 21.7739,
21.8449

■ 20.8100, 21.7739,
21.8449

■ 19.2962, 19.9806,
17.5347

■ 22.4807, 23.7021,
26.7577

■ 17.9323, 18.3160,
13.8022

■ 24.3113, 25.7655,
32.2939

■ 16.7134, 16.7778,
10.6226

■ 26.3071, 27.9679,
38.4751

■ 15.6336, 15.3623,
7.9689

■ 28.4726, 30.3123,
45.3215

■ 14.6867, 14.0657,
5.8119

■ 30.8121, 32.8015,
52.8522

■ 13.8657, 12.8840,
4.1193

■ 33.3297, 35.4382,
61.0858

■ 13.1630, 11.8127,
2.8552

■ 36.0294, 38.2249,
70.0399

■ 12.5700, 10.8469,
1.9781

■ 38.9150, 41.1643,
79.7318

■ 12.0709, 9.9791,
1.4106

■ 41.9902, 44.2588,
90.1778

Harmonies

Analogous

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



21.1317, 21.7739, 22.2452



20.8100, 21.7739, 21.8449



20.4612, 21.7739, 21.9328

Triad

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



20.8100, 21.7739, 21.8449



20.0659, 21.7739, 24.3880



21.2215, 21.7739, 24.9706

Complementary

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



20.8100, 21.7739, 21.8449



19.9226, 21.0553, 24.8440

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.



20.9315, 21.7739, 25.5766



20.8100, 21.7739, 21.8449



20.2652, 21.7739, 25.2337

Square

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



20.8100, 21.7739, 21.8449



20.0342, 21.7739, 23.3821



20.5813, 21.7739, 25.6743



21.3711, 21.7739, 24.0371

Rectangle

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



20.8100, 21.7739, 21.8449



20.2600, 21.7739, 22.2574



20.5813, 21.7739, 25.6743



21.1371, 21.7739, 25.2205

Sweetspot

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



20.8106, 21.7748, 21.8454



38.0270, 39.9469, 42.4757



20.4330, 20.6054, 22.9963



8.8631, 9.3115, 9.9174



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.



20.8106, 21.7748, 21.8454



36.2786, 37.9123, 37.3855



21.2721, 22.8021, 22.0193



4.8712, 5.0859, 4.9543



11.5495, 9.4216, 1.2098



0.0473, 0.0472, 0.0066

Inverse Universe

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



19.9226, 21.0553, 24.8440



34.4187, 36.4052, 43.6660



19.4810, 20.0764, 24.6783



4.5921, 4.8598, 5.8968



5.5338, 4.6154, 21.7359



0.0263, 0.0302, 0.0777

Previews

White Background



This preview shows how the XYZ color 20.8100, 21.7739, 21.8449 looks on a white background.

Color Contrast Check

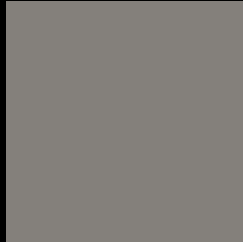
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8100, 21.7739, 21.8449 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

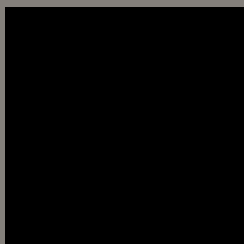
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

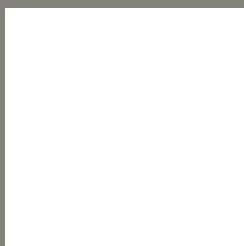
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8100, 21.7739, 21.8449

Background



This preview shows how black text looks on a background with the XYZ color 20.8100, 21.7739, 21.8449.



This preview shows how white text looks on a background with the XYZ color 20.8100, 21.7739,

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

20.8100, 21.7739, 21.8449

Protanopia

20.8100, 21.7739, 21.8449

Deuteranopia

22.1734, 21.7102, 22.0906



Tritanopia

21.7363, 21.7676, 26.3485

Trichromacy



Original Color

20.8100, 21.7739, 21.8449

Protanomaly

20.8100, 21.7739, 21.8449

Deuteranomaly

21.6192, 21.6114, 22.1008

Tritanomaly

21.3590, 21.8040, 24.5556

Monochromacy



Original Color

20.8100, 21.7739, 21.8449

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.8869, 21.9786, 23.2201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8100, 21.7739, 21.8449 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(132, 128, 123)` looks like.

```
.text, #text, p{  
    color:rgb(132, 128, 123)  
}
```

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(132, 128, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 128, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.8100, 21.7739, 21.8449 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(132, 128, 123) }
```


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

```
.border{ border-color:rgb(132, 128, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 128, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 128, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 128, 123);  
box-shadow:4px 4px 4px 4px rgb(132, 128,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8100, 21.7739, 21.8449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 128, 123) }
```

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

```
.background{ background-color: rgb(132,  
128, 123) }
```

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