

Converting Colors

XYZ(20.8201, 22.8656, 22.0284)

Have a look what the booklet for
XYZ(20.8201, 22.8656, 22.0284)
contains.

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Color

**XYZ(20.7151, 22.7171,
22.0319)**

Conversions

Conversions Part 1

Format	Color
Hex	7F857B
RGB	127, 133, 123
RGB Percent	50%, 52%, 48%
CMY	0.5020, 0.4784, 0.5176
CMYK	0.05, 0.00, 0.08, 0.48
HSL	96°, 4%, 50%
HSV	96°, 8%, 52%
XYZ	20.7151, 22.7171, 22.0319
YIQ	130.0660, -0.3660, -4.3820

Conversions

Conversions Part 2

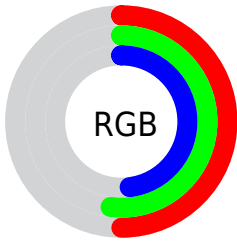
Format	Color
R_{YB}	123, 133, 129
Decimal	8357243
CIE _{Lab}	54.78, -4.19, 4.62
CIE _{LCh}	55, 6.233, 132.197
Yxy	22.7171, 0.3164, 0.3470
Android (android.graphics.Color)	4286547323 (0xFF7F857B)
YUV	130.0660, -3.4835, -2.6889
Hunter-Lab	47.6625, -5.8295, 5.9570

Details

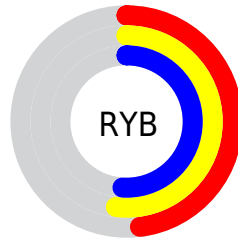
The XYZ color **20.7151, 22.7171, 22.0319** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.3706, 20.5270, 25.0798**, and the grayscale version is **21.2540, 22.3608, 24.3510**.

A 20% lighter version of the original color is **44.1192, 47.9163, 47.4809**, and **7.5482, 8.4548, 7.7127** is the 20% darker color. If you saturate the color by 10%, you get **18.7967, 21.8185, 17.8872**, and if you desaturate by 10%, it is **22.8421, 23.7114, 26.7778**.

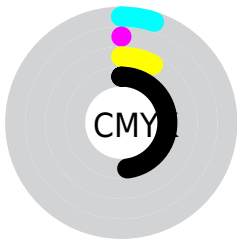
Distribution



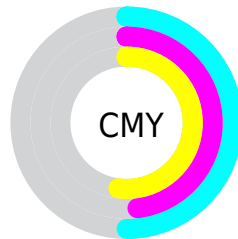
- Red (50%)
- Green (52%)
- Blue (48%)



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



- Cyan (5%)
- Magenta (0%)
- Yellow (8%)
- Black (48%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7151, 22.7171, 22.0319 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 20.7151, 22.7171, 22.0319 by changing the saturation by 10% instead.

■ 20.7151, 22.7171,
22.0319

■ 20.7151, 22.7171,
22.0319

248.5210,
266.2686, 275.6718

■ 13.0272, 14.3848,
13.6818

■ 44.1078, 47.9284,
47.7016

■ 7.5244, 8.3888,
7.7635

■ 60.5432, 65.5761,
65.8582

■ 3.8414, 4.3447,
3.8584

■ 80.6252, 87.0978,
88.1208

■ 1.6128, 1.8682,
1.5480

104.7191,
112.8777, 114.9079

■ 0.4007, 0.5291,
0.2533

133.1903,
143.3004, 146.6380

■ 0.0000, 0.0000,
0.0000

166.4041,

178.7502, 183.7296

204.7259,
219.6115, 226.6014

■ 20.7151, 22.7171,
22.0319

■ 20.7151, 22.7171,
22.0319

■ 18.7967, 21.8185,
17.8872

■ 22.8421, 23.7114,
26.7778

■ 17.0783, 21.0099,
14.3184

■ 25.1822, 24.8014,
32.1461

■ 15.5534, 20.2890,
11.3003

■ 27.7421, 25.9906,
38.1588

■ 14.2145, 19.6526,
8.8054

■ 30.5276, 27.2817,
44.8362

■ 13.0536, 19.0972,
6.8039

■ 33.5443, 28.6771,
52.1978

■ 12.0618, 18.6190,
5.2628

■ 36.7977, 30.1791,
60.2624

■ 11.2294, 18.2138,
4.1453

■ 40.2928, 31.7901,
69.0480

■ 10.5458, 17.8769,
3.4088

■ 44.0349, 33.5123,
78.5720

■ 9.9911, 17.6002,
2.9653

■ 48.0287, 35.3478,
88.8510

Harmonies

Analogous

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



21.3135, 22.7171, 21.2121



20.7151, 22.7171, 22.0319



20.3562, 22.7171, 23.5942

Triad

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



20.7151, 22.7171, 22.0319



21.1898, 22.7171, 28.5223



22.9116, 22.7171, 23.9429

Complementary

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



20.7151, 22.7171, 22.0319



20.3706, 20.5270, 25.0798

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.



22.8767, 22.7171, 25.9122



20.7151, 22.7171, 22.0319



21.8727, 22.7171, 28.6279

Square

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



20.7151, 22.7171, 22.0319



20.6262, 22.7171, 27.3693



22.4931, 22.7171, 27.6507



22.5873, 22.7171, 22.2755

Rectangle

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



20.7151, 22.7171, 22.0319



20.2962, 22.7171, 24.8806



22.4931, 22.7171, 27.6507



22.9416, 22.7171, 24.5900

Sweetspot

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



20.7157, 22.7181, 22.0324



39.1338, 41.6343, 43.9701



21.0991, 22.1180, 21.8964



8.8288, 9.3856, 9.9335



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.



20.7157, 22.7181, 22.0324



36.4914, 40.3986, 38.1293



20.1946, 22.4422, 22.3366



4.7795, 5.2889, 4.9983



9.4061, 16.7090, 2.7294



0.0404, 0.0619, 0.0098

Inverse Universe

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



20.3706, 20.5270, 25.0798



35.7432, 35.6489, 44.7355



20.9215, 20.8190, 24.7466



4.6824, 4.6724, 5.8558



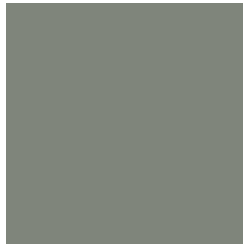
7.1775, 3.2343, 21.3827



0.0331, 0.0155, 0.0745

Previews

White Background



This preview shows how the XYZ color 20.7151, 22.7171, 22.0319 looks on a white background.

Color Contrast Check

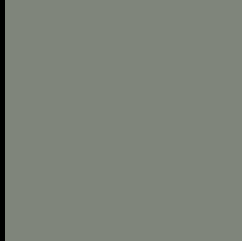
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7151, 22.7171, 22.0319 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

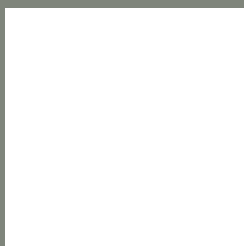
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.7151, 22.7171, 22.0319

Background



This preview shows how black text looks on a background with the XYZ color 20.7151, 22.7171, 22.0319.



This preview shows how white text looks on a background with the XYZ color 20.7151, 22.7171,

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

20.7151, 22.7171, 22.0319

Protanopia

21.4872, 22.5213, 21.6269

Deuteranopia

23.0815, 22.7450, 22.2425



Tritanopia

21.9963, 22.6342, 28.4088

Trichromacy



Original Color

20.7151, 22.7171, 22.0319

Protanomaly

21.1449, 22.5433, 21.6492

Deuteranomaly

22.1358, 22.6447, 22.2730

Tritanomaly

21.4726, 22.6210, 25.7888

Monochromacy



Original Color

20.7151, 22.7171, 22.0319

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.0003, 22.4320, 23.3017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7151, 22.7171, 22.0319 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(127, 133, 123)` looks like.

```
.text, #text, p{  
    color:rgb(127, 133, 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(127, 133, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 133, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.7151, 22.7171, 22.0319 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(127, 133, 123) }
```


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

```
.border{ border-color:rgb(127, 133, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 133, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 133, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 133, 123);  
box-shadow:4px 4px 4px 4px rgb(127, 133,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7151, 22.7171, 22.0319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 133, 123) }
```

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

```
.background{ background-color: rgb(127,  
133, 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](#).

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