

Converting Colors

XYZ(21.0403, 22.0202, 19.0987)

Have a look what the booklet for
XYZ(21.0403, 22.0202, 19.0987)
contains.

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Color

**XYZ(20.9098, 21.8875,
19.0422)**

Conversions

Conversions Part 1

Format	Color
Hex	888072
RGB	136, 128, 114
RGB Percent	53%, 50%, 45%
CMY	0.4667, 0.4980, 0.5529
CMYK	0.00, 0.06, 0.16, 0.47
HSL	38°, 9%, 49%
HSV	38°, 16%, 53%
XYZ	20.9098, 21.8875, 19.0422
YIQ	128.7960, 9.2620, -2.6580

Conversions

Conversions Part 2

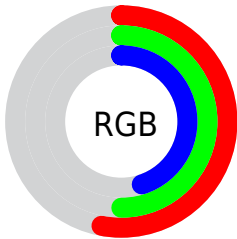
Format	Color
R_{YB}	127, 136, 114
Decimal	8945778
CIE Lab	53.91, 0.51, 8.69
CIE LCh	54, 8.700, 86.621
Yxy	21.8875, 0.3381, 0.3539
Android (android.graphics.Color)	4287135858 (0xFF888072)
YUV	128.7960, -7.2944, 6.3179
Hunter-Lab	46.7841, -2.0929, 8.6165

Details

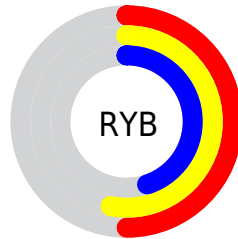
The XYZ color **20.9098, 21.8875, 19.0422** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.3428, 19.2737, 26.0462**, and the grayscale version is **20.8178, 21.9019, 23.8512**.

A 20% lighter version of the original color is **44.3931, 46.6197, 42.7351**, and **7.6171, 7.9637, 6.2899** is the 20% darker color. If you saturate the color by 10%, you get **19.5635, 20.3429, 15.0540**, and if you desaturate by 10%, it is **22.4038, 23.5429, 23.6481**.

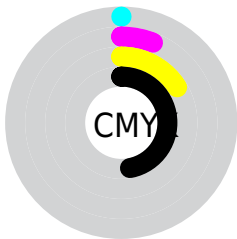
Distribution



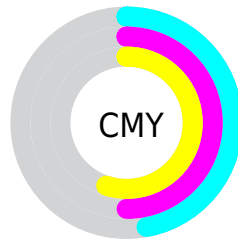
- Red (53%)
- Green (50%)
- Blue (45%)



- Red (50%)
- Yellow (53%)
- Blue (45%)



- Cyan (0%)
- Magenta (6%)
- Yellow (16%)
- Black (47%)



- Cyan (47%)
- Magenta (50%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9098, 21.8875, 19.0422 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 20.9098, 21.8875, 19.0422 by changing the saturation by 10% instead.

■ 20.9098, 21.8875,
19.0422

■ 20.9098, 21.8875,
19.0422

249.5395,
261.9582, 259.1121

■ 13.1702, 13.7743,
11.5237

■ 44.4298, 46.5600,
42.6430

■ 7.6236, 7.9638,
6.3016

■ 60.9408, 63.8880,
59.5624

■ 3.9048, 4.0718,
2.9576

■ 81.1064, 85.0565,
80.4525

■ 1.6484, 1.7138,
1.0730

■ 105.2919,
110.4497, 105.7318

■ 0.4237, 0.4326,
0.0000

133.8625,
140.4520, 135.8189

■ 0.0000, 0.0000,
0.0000

167.1838,

175.4480, 171.1322

205.6210,
215.8219, 212.0905

■ 20.9098, 21.8875,
19.0422

■ 20.9098, 21.8875,
19.0422

■ 19.5635, 20.3429,
15.0540

■ 22.4038, 23.5429,
23.6481

■ 18.3577, 18.9033,
11.6554

■ 24.0490, 25.3091,
28.8954

■ 17.2871, 17.5667,
8.8179

■ 25.8508, 27.1896,
34.8085

■ 16.3452, 16.3297,
6.5103

■ 27.8140, 29.1869,
41.4097

■ 15.5252, 15.1887,
4.6983

■ 29.9429, 31.3035,
48.7207

■ 14.8193, 14.1400,
3.3435

■ 32.2419, 33.5417,
56.7618

■ 14.2186, 13.1792,
2.4016

■ 34.7151, 35.9038,
65.5529

■ 13.7090, 12.2998,
1.8009

■ 37.3664, 38.3921,
75.1128

■ 13.5263, 11.9801,
1.5995

■ 40.1996, 41.0086,
85.4598

Harmonies

Analogous

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



21.8107, 21.8875, 19.7767



20.9098, 21.8875, 19.0422



20.0063, 21.8875, 19.5093

Triad

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



20.9098, 21.8875, 19.0422



19.2336, 21.8875, 26.2199



22.3448, 21.8875, 26.7854

Complementary

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



20.9098, 21.8875, 19.0422



18.3428, 19.2737, 26.0462

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.



21.6214, 21.8875, 28.7497



20.9098, 21.8875, 19.0422



19.8277, 21.8875, 28.4063

Square

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



20.9098, 21.8875, 19.0422



19.0559, 21.8875, 23.5289



20.6974, 21.8875, 29.3638



22.6547, 21.8875, 24.1372

Rectangle

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



20.9098, 21.8875, 19.0422



19.5209, 21.8875, 20.4600



20.6974, 21.8875, 29.3638



22.1409, 21.8875, 27.5550

Sweetspot

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



20.9104, 21.8885, 19.0427



39.7784, 41.8121, 42.6072



19.6879, 18.6759, 21.0014



9.1728, 9.6403, 9.7433



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.



20.9104, 21.8885, 19.0427



36.0540, 37.6714, 31.1672



21.5251, 23.8155, 19.3822



5.2807, 5.5443, 5.3442



12.8111, 11.3567, 1.5168



0.0991, 0.1034, 0.0147

Inverse Universe

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



18.3428, 19.2737, 26.0462



30.7430, 32.2631, 45.6554



17.7887, 17.5898, 25.7504



4.9138, 5.1706, 6.3449



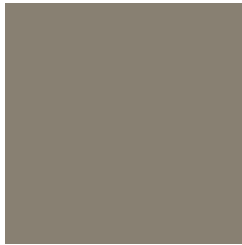
5.2713, 3.8129, 22.5038



0.0481, 0.0514, 0.1538

Previews

White Background



This preview shows how the XYZ color 20.9098, 21.8875, 19.0422 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 20.9098, 21.8875, 19.0422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

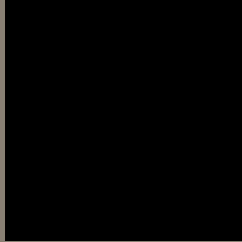
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

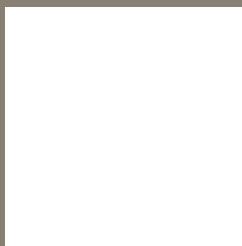
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.9098, 21.8875, 19.0422

Background



This preview shows how black text looks on a background with the XYZ color 20.9098, 21.8875, 19.0422.



This preview shows how white text looks on a background with the XYZ color 20.9098, 21.8875,

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

20.9098, 21.8875, 19.0422

Protanopia

20.7481, 21.8041, 19.0347

Deuteranopia

22.1562, 21.7641, 19.2528



Tritanopia

22.3543, 21.9055, 25.9717

Trichromacy



Original Color

20.9098, 21.8875, 19.0422

Protanomaly

20.7481, 21.8041, 19.0347

Deuteranomaly

21.5835, 21.6558, 19.2621

Tritanomaly

21.7729, 21.8573, 23.1500

Monochromacy



Original Color

20.9098, 21.8875, 19.0422

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.0041, 22.0613, 22.2200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9098, 21.8875, 19.0422 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(136, 128, 114)` looks like.

```
.text, #text, p{  
    color:rgb(136, 128, 114)  
}
```

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(136, 128, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 128, 114) }
```

Border

The CSS property to change the border of an element to XYZ 20.9098, 21.8875, 19.0422 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(136, 128, 114) }
```


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

```
.border{ border-color:rgb(136, 128, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 128, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 128, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 128, 114);  
box-shadow:4px 4px 4px 4px rgb(136, 128,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9098, 21.8875, 19.0422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 128, 114) }
```

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

```
.background{ background-color: rgb(136,  
128, 114) }
```

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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