

Converting Colors

XYZ(21.8873, 23.7630, 22.1676)

Have a look what the booklet for
XYZ(21.8873, 23.7630, 22.1676)
contains.

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Color

**XYZ(21.9120, 23.7446,
22.1672)**

Conversions

Conversions Part 1

Format	Color
Hex	85877B
RGB	133, 135, 123
RGB Percent	52%, 53%, 48%
CMY	0.4784, 0.4706, 0.5176
CMYK	0.01, 0.00, 0.09, 0.47
HSL	70°, 5%, 51%
HSV	70°, 9%, 53%
XYZ	21.9120, 23.7446, 22.1672
YIQ	133.0340, 2.6600, -4.1560

Conversions

Conversions Part 2

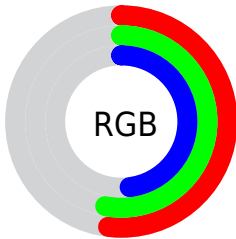
Format	Color
R_{YB}	123, 135, 125
Decimal	8750971
CIE Lab	55.83, -3.03, 6.19
CIE LCh	56, 6.894, 116.092
Yxy	23.7446, 0.3231, 0.3501
Android (android.graphics.Color)	4286941051 (0xFF85877B)
YUV	133.0340, -4.9468, -0.0298
Hunter-Lab	48.7284, -5.0076, 7.1381

Details

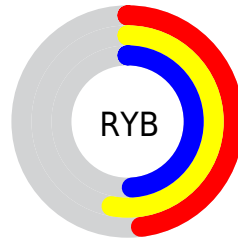
The XYZ color **21.9120, 23.7446, 22.1672** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.9146, 20.2759, 25.7870**, and the grayscale version is **22.3240, 23.4866, 25.5769**.

A 20% lighter version of the original color is **45.9708, 49.5007, 47.6891**, and **8.0518, 8.8304, 7.7586** is the 20% darker color. If you saturate the color by 10%, you get **20.7728, 23.2491, 18.0024**, and if you desaturate by 10%, it is **23.1767, 24.2928, 26.9473**.

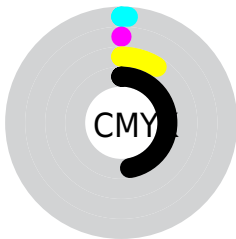
Distribution



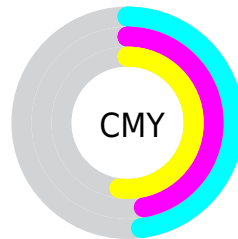
- Red (52%)
- Green (53%)
- Blue (48%)



- Red (48%)
- Yellow (53%)
- Blue (49%)



- Cyan (1%)
- Magenta (0%)
- Yellow (9%)
- Black (47%)



- Cyan (48%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9120, 23.7446, 22.1672 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 21.9120, 23.7446, 22.1672 by changing the saturation by 10% instead.

■ 21.9120, 23.7446,
22.1672

■ 21.9120, 23.7446,
22.1672

254.7274,
271.5267, 276.4001

■ 13.9085, 15.1443,
13.7803

■ 46.0804, 49.6131,
47.9279

■ 8.1383, 8.9207,
7.8310

■ 62.9761, 67.6501,
66.1388

■ 4.2361, 4.6895,
3.9008

■ 83.5665, 89.6014,
88.4615

■ 1.8366, 2.0663,
1.5711

108.2170,
115.8514, 115.3145

■ 0.5396, 0.6455,
0.2701

137.2930,
146.7846, 147.1163

■ 0.0000, 0.0000,
0.0000

171.1598,

182.7852, 184.2855

210.1828,
224.2378, 227.2406

■ 21.9120, 23.7446,
22.1672

■ 21.9120, 23.7446,
22.1672

■ 20.7728, 23.2491,
18.0024

■ 23.1767, 24.2928,
26.9473

■ 19.7525, 22.8011,
14.4264

■ 24.5694, 24.8923,
32.3647

■ 18.8464, 22.3998,
11.4131

■ 26.0952, 25.5459,
38.4422

■ 18.0491, 22.0428,
8.9336

■ 27.7581, 26.2553,
45.2011

■ 17.3547, 21.7279,
6.9567

■ 29.5619, 27.0220,
52.6616

■ 16.7565, 21.4523,
5.4479

■ 31.5105, 27.8474,
60.8431

■ 16.2470, 21.2130,
4.3684

■ 33.6074, 28.7331,
69.7644

■ 15.8178, 21.0067,
3.6729

■ 35.8560, 29.6804,
79.4434

■ 15.4471, 20.8246,
3.2484

■ 38.2598, 30.6907,
89.8974

Harmonies

Analogous

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



22.6714, 23.7446, 21.7814



21.9120, 23.7446, 22.1672



21.3404, 23.7446, 23.5195

Triad

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



21.9120, 23.7446, 22.1672



21.7380, 23.7446, 29.6049



24.1061, 23.7446, 26.1492

Complementary

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



21.9120, 23.7446, 22.1672



19.9146, 20.2759, 25.7870

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.



23.8429, 23.7446, 28.3378



21.9120, 23.7446, 22.1672



22.4660, 23.7446, 30.4046

Square

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



21.9120, 23.7446, 22.1672



21.2416, 23.7446, 27.7995



23.2380, 23.7446, 29.9281



23.9496, 23.7446, 24.0012

Rectangle

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



21.9120, 23.7446, 22.1672



21.1367, 23.7446, 24.8300



23.2380, 23.7446, 29.9281



24.0636, 23.7446, 26.9055

Sweetspot

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



21.9127, 23.7456, 22.1677



40.5296, 43.0808, 44.5434



20.9013, 21.2489, 21.7391



9.3468, 9.9600, 10.1665



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.



21.9127, 23.7456, 22.1677



38.7386, 42.3039, 37.8413



20.9924, 23.2712, 22.1246



4.9655, 5.3848, 5.0070



14.2158, 19.1885, 2.9545



0.0543, 0.0691, 0.0105

Inverse Universe

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



19.9146, 20.2759, 25.7870



34.2825, 34.5655, 45.9133



20.8170, 20.7411, 25.8293



4.5016, 4.5792, 5.8474



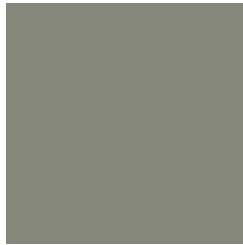
4.3570, 1.7803, 21.2507



0.0193, 0.0083, 0.0738

Previews

White Background



This preview shows how the XYZ color 21.9120, 23.7446, 22.1672 looks on a white background.

Color Contrast Check

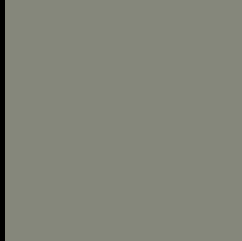
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9120, 23.7446, 22.1672 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

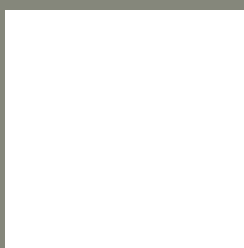
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9120, 23.7446, 22.1672

Background



This preview shows how black text looks on a background with the XYZ color 21.9120, 23.7446, 22.1672.



This preview shows how white text looks on a background with the XYZ color 21.9120, 23.7446,

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

21.9120, 23.7446, 22.1672

Protanopia

22.5478, 23.6692, 21.7926

Deuteranopia

24.0660, 23.6398, 22.3633



Tritanopia

23.3625, 23.7199, 29.3337

Trichromacy



Original Color

21.9120, 23.7446, 22.1672

Protanomaly

22.3545, 23.7737, 21.8229

Deuteranomaly

23.2560, 23.6171, 22.4016

Tritanomaly

22.8231, 23.7035, 26.6649

Monochromacy



Original Color

21.9120, 23.7446, 22.1672

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.1604, 23.6217, 24.1603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9120, 23.7446, 22.1672 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(133, 135, 123)` looks like.

```
.text, #text, p{  
    color:rgb(133, 135, 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(133, 135, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 135, 123) }
```

Border

The CSS property to change the border of an element to XYZ 21.9120, 23.7446, 22.1672 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(133, 135, 123) }
```


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

```
.border{ border-color:rgb(133, 135, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 135, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 135, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 135, 123);  
box-shadow:4px 4px 4px 4px rgb(133, 135,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9120, 23.7446, 22.1672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 135, 123) }
```

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

```
.background{ background-color: rgb(133,  
135, 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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