

Converting Colors

XYZ(23.0465, 24.2496, 27.7291)

Have a look what the booklet for
XYZ(23.0465, 24.2496, 27.7291)
contains.

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Color

**XYZ(22.9970, 24.1786,
27.8810)**

Conversions

Conversions Part 1

Format	Color
Hex	85878B
RGB	133, 135, 139
RGB Percent	52%, 53%, 55%
CMY	0.4784, 0.4706, 0.4549
CMYK	0.04, 0.03, 0.00, 0.45
HSL	220°, 3%, 53%
HSV	220°, 4%, 55%
XYZ	22.9970, 24.1786, 27.8810
YIQ	134.8580, -2.4760, 0.8200

Conversions

Conversions Part 2

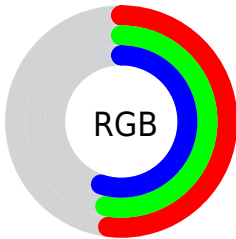
Format	Color
R_{YB}	133, 135, 139
Decimal	8750987
CIE Lab	56.27, 0.07, -2.41
CIE LCh	56, 2.407, 271.717
Yxy	24.1786, 0.3064, 0.3221
Android (android.graphics.Color)	4286941067 (0xFF85878B)
YUV	134.8580, 2.0420, -1.6295
Hunter-Lab	49.1717, -2.5684, 0.8020

Details

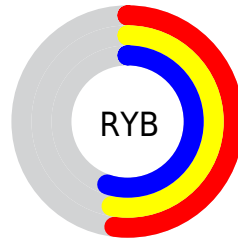
The XYZ color **22.9970, 24.1786, 27.8810** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.8267, 25.0733, 25.7743**, and the grayscale version is **22.9704, 24.1666, 26.3175**.

A 20% lighter version of the original color is **47.7473, 50.2113, 57.0444**, and **8.7078, 9.1031, 10.7493** is the 20% darker color. If you saturate the color by 10%, you get **19.7099, 20.6493, 27.3734**, and if you desaturate by 10%, it is **26.6883, 28.0845, 28.4407**.

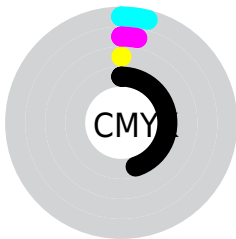
Distribution



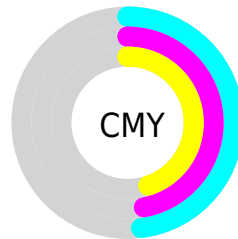
- Red (52%)
- Green (53%)
- Blue (55%)



- Red (52%)
- Yellow (53%)
- Blue (55%)



- Cyan (4%)
- Magenta (3%)
- Yellow (0%)
- Black (45%)



- Cyan (48%)
- Magenta (47%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9970, 24.1786, 27.8810 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 22.9970, 24.1786, 27.8810 by changing the saturation by 10% instead.

■ 22.9970, 24.1786,
27.8810

■ 22.9970, 24.1786,
27.8810

260.2452,
273.7222, 305.7919

■ 14.7120, 15.4662,
17.9977

■ 47.8551, 50.3215,
57.3152

■ 8.7025, 9.1472,
10.7789

■ 65.1589, 68.5207,
77.7032

■ 4.6032, 4.8373,
5.8061

■ 86.1996, 90.6510,
102.4299

■ 2.0487, 2.1521,
2.6606

111.3427,
117.0968, 131.9137

■ 0.6611, 0.6937,
0.9235

140.9534,
148.2424, 166.5733

■ 0.0000, 0.0000,
0.0000

175.3972,

184.4722, 206.8272

215.0393,
226.1707, 253.0938

■ 22.9970, 24.1786,
27.8810

■ 22.9970, 24.1786,
27.8810

■ 19.7099, 20.6493,
27.3734

■ 26.6883, 28.0845,
28.4407

■ 16.8108, 17.4820,
26.9148

■ 30.7953, 32.3749,
29.0524

■ 14.2853, 14.6655,
26.5043

■ 35.3313, 37.0613,
29.7179

■ 12.1174, 12.1869,
26.1402

■ 40.3087, 42.1540,
30.4385

■ 10.2899, 10.0327,
25.8207

■ 45.7391, 47.6625,
31.2156

■ 8.7840, 8.1880,
25.5440

■ 51.6339, 53.5964,
32.0502

■ 7.5789, 6.6369,
25.3081

■ 58.0040, 59.9646,
32.9437

■ 6.6513, 5.3615,
25.1108

■ 64.8599, 66.7761,
33.8971

■ 5.9721, 4.3409,
24.9496

■ 71.0614, 73.4464,
34.8577

Harmonies

Analogous

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



22.7295, 24.1786, 27.6929



22.9970, 24.1786, 27.8810



23.2622, 24.1786, 27.6456

Triad

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



22.9970, 24.1786, 27.8810



23.4372, 24.1786, 25.5324



22.5151, 24.1786, 25.6101

Complementary

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



22.9970, 24.1786, 27.8810



23.8267, 25.0733, 25.7743

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.



22.7021, 24.1786, 25.0498



22.9970, 24.1786, 27.8810



23.2344, 24.1786, 25.0056

Square

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



22.9970, 24.1786, 27.8810



23.5176, 24.1786, 26.2807



22.9651, 24.1786, 24.8307



22.4527, 24.1786, 26.3721

Rectangle

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



22.9970, 24.1786, 27.8810



23.4017, 24.1786, 27.2830



22.9651, 24.1786, 24.8307



22.5654, 24.1786, 25.3924

Sweetspot

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



22.9977, 24.1796, 27.8815



43.2812, 45.5300, 50.2500



23.4140, 25.2554, 27.2704



9.9830, 10.5018, 11.5803



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.9977, 24.1796, 27.8815



40.6920, 42.7761, 49.8549



22.8636, 23.6995, 27.7959



5.1849, 5.4499, 6.3845



5.1165, 3.5034, 22.4522



0.0464, 0.0481, 0.1533

Inverse Universe

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



23.4087, 24.0136, 26.3243



41.5596, 42.4298, 46.5667



23.9644, 25.5709, 25.8631



5.3041, 5.4026, 5.9327



10.0694, 5.1379, 2.8698



0.0732, 0.0366, 0.0521

Previews

White Background



This preview shows how the XYZ color 22.9970, 24.1786, 27.8810 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 22.9970, 24.1786, 27.8810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

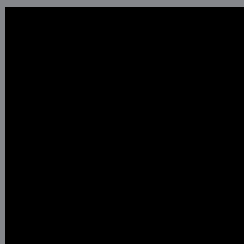
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

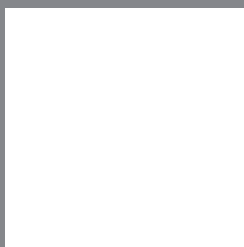
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9970, 24.1786, 27.8810

Background



This preview shows how black text looks on a background with the XYZ color 22.9970, 24.1786, 27.8810.



This preview shows how white text looks on a background with the XYZ color 22.9970, 24.1786,

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

22.9970, 24.1786, 27.8810

Protanopia

23.2659, 24.1194, 27.4740

Deuteranopia

24.7040, 24.2370, 28.1871



Tritanopia

23.4674, 24.1629, 30.2151

Trichromacy



Original Color

22.9970, 24.1786, 27.8810

Protanomaly

23.1042, 24.0361, 27.4665

Deuteranomaly

23.9694, 24.0587, 28.1914

Tritanomaly

23.3145, 24.1017, 29.4099

Monochromacy



Original Color

22.9970, 24.1786, 27.8810

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.9394, 24.1739, 26.7495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9970, 24.1786, 27.8810 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, 139)` looks like.

```
.text, #text, p{  
    color:rgb(133, 135, 139)  
}
```

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, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 135, 139) }
```

Border

The CSS property to change the border of an element to XYZ 22.9970, 24.1786, 27.8810 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, 139) }
```


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

```
.border{ border-color:rgb(133, 135, 139) }
```

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, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 135, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 135, 139);  
box-shadow:4px 4px 4px 4px rgb(133, 135,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9970, 24.1786, 27.8810 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, 139) }
```

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

```
.background{ background-color: rgb(133,  
135, 139) }
```

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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