

Converting Colors

XYZ(22.9584, 23.8682, 21.3175)

Have a look what the booklet for
XYZ(22.9584, 23.8682, 21.3175)
contains.

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Color

**XYZ(22.9330, 23.8819,
21.1703)**

Conversions

Conversions Part 1

Format	Color
Hex	8E8578
RGB	142, 133, 120
RGB Percent	56%, 52%, 47%
CMY	0.4431, 0.4784, 0.5294
CMYK	0.00, 0.06, 0.15, 0.44
HSL	35°, 9%, 51%
HSV	35°, 15%, 56%
XYZ	22.9330, 23.8819, 21.1703
YIQ	134.2090, 9.5370, -2.1350

Conversions

Conversions Part 2

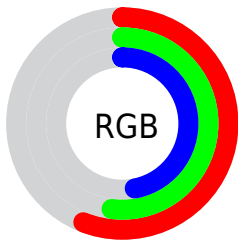
Format	Color
R_{YB}	135, 142, 120
Decimal	9340280
CIE Lab	55.97, 1.06, 8.22
CIE LCh	56, 8.288, 82.637
Yxy	23.8819, 0.3373, 0.3513
Android (android.graphics.Color)	4287530360 (0xFF8E8578)
YUV	134.2090, -7.0050, 6.8327
Hunter-Lab	48.8691, -1.7555, 8.5237

Details

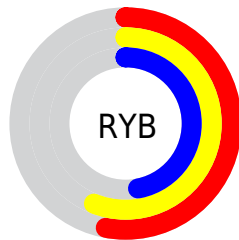
The XYZ color **22.9330, 23.8819, 21.1703** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.4784, 21.6461, 28.6901**, and the grayscale version is **22.7599, 23.9452, 26.0763**.

A 20% lighter version of the original color is **47.7702, 49.8321, 46.1305**, and **8.7537, 9.0838, 7.4229** is the 20% darker color. If you saturate the color by 10%, you get **21.3613, 22.0168, 16.7053**, and if you desaturate by 10%, it is **24.6778, 25.8882, 26.3242**.

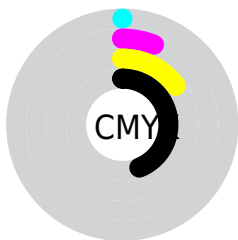
Distribution



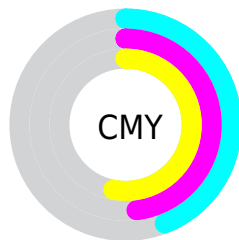
- Red (56%)
- Green (52%)
- Blue (47%)



- Red (53%)
- Yellow (56%)
- Blue (47%)



- Cyan (0%)
- Magenta (6%)
- Yellow (15%)
- Black (44%)



- Cyan (44%)
- Magenta (48%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9330, 23.8819, 21.1703 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 22.9330, 23.8819, 21.1703 by changing the saturation by 10% instead.

■ 22.9330, 23.8819,
21.1703

■ 22.9330, 23.8819,
21.1703

259.9224,
272.2229, 270.9929

■ 14.6645, 15.2460,
13.0561

■ 47.7508, 49.8374,
46.2553

■ 8.6690, 8.9922,
7.3360

■ 65.0307, 67.9258,
64.0631

■ 4.5813, 4.7361,
3.5915

■ 86.0451, 89.9339,
85.9392

■ 2.0360, 2.0933,
1.4040

111.1594,
116.2461, 112.3021

■ 0.6540, 0.6608,
0.1449

140.7390,
147.2466, 143.5704

■ 0.0000, 0.0000,
0.0000

175.1491,

183.3200, 180.1626

214.7551,
224.8506, 222.4972

■ 22.9330, 23.8819,
21.1703

■ 22.9330, 23.8819,
21.1703

■ 21.3613, 22.0168,
16.7053

■ 24.6778, 25.8882,
26.3242

■ 19.9545, 20.2861,
12.8979

■ 26.5996, 28.0359,
32.1933

■ 18.7065, 18.6870,
9.7167

■ 28.7049, 30.3295,
38.8046

■ 17.6099, 17.2153,
7.1269

■ 30.9989, 32.7722,
46.1831

■ 16.6568, 15.8667,
5.0905

■ 33.4868, 35.3671,
54.3526

■ 15.8385, 14.6364,
3.5650

■ 36.1735, 38.1170,
63.3359

■ 15.1449, 13.5191,
2.5015

■ 39.0638, 41.0250,
73.1550

■ 14.5620, 12.5080,
1.8306

■ 42.1621, 44.0938,
83.8308

■ 14.3202, 12.0804,
1.5770

■ 45.4730, 47.3261,
95.3837

Harmonies

Analogous

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



23.8212, 23.8819, 22.0777



22.9330, 23.8819, 21.1703



22.0059, 23.8819, 21.4844

Triad

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



22.9330, 23.8819, 21.1703



21.0608, 23.8819, 28.0609



24.1761, 23.8819, 29.2955

Complementary

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



22.9330, 23.8819, 21.1703



20.4784, 21.6461, 28.6901

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.



23.4065, 23.8819, 31.1153



22.9330, 23.8819, 21.1703



21.6127, 23.8819, 30.3687

Square

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



22.9330, 23.8819, 21.1703



20.9420, 23.8819, 25.3412



22.4667, 23.8819, 31.5210



24.5517, 23.8819, 26.6768

Rectangle

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



22.9330, 23.8819, 21.1703



21.4888, 23.8819, 22.3553



22.4667, 23.8819, 31.5210



23.9539, 23.8819, 30.0281

Sweetspot

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



22.9336, 23.8830, 21.1708



43.6426, 45.7937, 46.7983



21.8456, 20.7735, 23.6856



9.7033, 10.1778, 10.3190



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.



22.9336, 23.8830, 21.1708



39.3238, 40.8022, 34.1181



23.9067, 26.2922, 21.5845



5.6571, 5.9205, 5.7340



12.8757, 10.8831, 1.4220



0.1448, 0.1475, 0.0208

Inverse Universe

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



20.4784, 21.6461, 28.6901



34.0465, 35.9948, 50.2811



19.6017, 19.5117, 28.3243



5.2994, 5.5946, 6.8293



5.7628, 4.5116, 23.5442



0.0759, 0.0847, 0.2320

Previews

White Background



This preview shows how the XYZ color 22.9330, 23.8819, 21.1703 looks on a white background.

Color Contrast Check

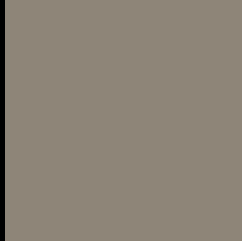
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9330, 23.8819, 21.1703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

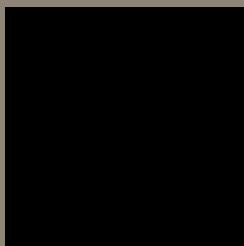
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.9330, 23.8819, 21.1703

Background



This preview shows how black text looks on a background with the XYZ color 22.9330, 23.8819, 21.1703.



This preview shows how white text looks on a background with the XYZ color 22.9330, 23.8819,

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

22.9330, 23.8819, 21.1703

Protanopia

22.7305, 23.9817, 21.2002

Deuteranopia

24.2503, 23.7564, 21.3965



Tritanopia

24.3933, 23.8785, 28.1343

Trichromacy



Original Color

22.9330, 23.8819, 21.1703

Protanomaly

22.8998, 24.0690, 21.2081

Deuteranomaly

23.6466, 23.6416, 21.4061

Tritanomaly

23.8515, 23.8553, 25.5377

Monochromacy



Original Color

22.9330, 23.8819, 21.1703

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8041, 23.9535, 24.1905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9330, 23.8819, 21.1703 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(142, 133, 120)` looks like.

```
.text, #text, p{  
    color:rgb(142, 133, 120)  
}
```

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(142, 133, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 133, 120) }
```

Border

The CSS property to change the border of an element to XYZ 22.9330, 23.8819, 21.1703 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(142, 133, 120) }
```


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

```
.border{ border-color:rgb(142, 133, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 133, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 133, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 133, 120);  
box-shadow:4px 4px 4px 4px rgb(142, 133,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9330, 23.8819, 21.1703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 133, 120) }
```

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

```
.background{ background-color: rgb(142,  
133, 120) }
```

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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