

Converting Colors

XYZ(22.5593, 23.1709, 27.9830)

Have a look what the booklet for
XYZ(22.5593, 23.1709, 27.9830)
contains.

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Color

**XYZ(22.5228, 23.1126,
28.0850)**

Conversions

Conversions Part 1

Format	Color
Hex	85838C
RGB	133, 131, 140
RGB Percent	52%, 51%, 55%
CMY	0.4784, 0.4863, 0.4510
CMYK	0.05, 0.06, 0.00, 0.45
HSL	253°, 4%, 53%
HSV	253°, 6%, 55%
XYZ	22.5228, 23.1126, 28.0850
YIQ	132.6240, -1.6970, 3.2230

Conversions

Conversions Part 2

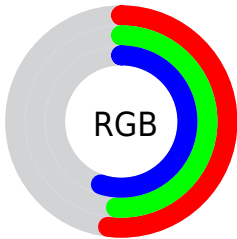
Format	Color
R _{YB}	133, 131, 140
Decimal	8749964
CIE Lab	55.19, 2.56, -4.57
CIE LCh	55, 5.242, 299.261
Yxy	23.1126, 0.3055, 0.3135
Android (android.graphics.Color)	4286940044 (0xFF85838C)
YUV	132.6240, 3.6364, 0.3298
Hunter-Lab	48.0756, -0.5072, -0.9834

Details

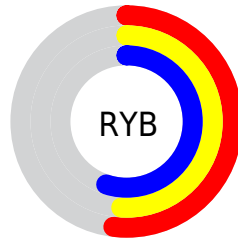
The XYZ color **22.5228, 23.1126, 28.0850** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.9569, 25.7987, 25.1909**, and the grayscale version is **22.1460, 23.2993, 25.3729**.

A 20% lighter version of the original color is **47.1278, 48.6151, 57.9387**, and **8.5189, 8.6576, 10.8949** is the 20% darker color. If you saturate the color by 10%, you get **19.1370, 18.7624, 27.4241**, and if you desaturate by 10%, it is **26.3424, 28.0649, 28.8399**.

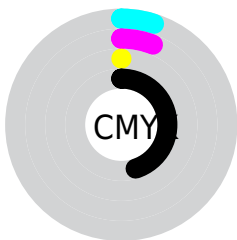
Distribution



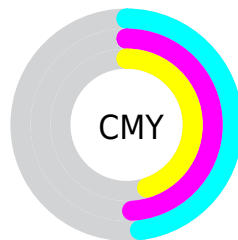
- Red (52%)
- Green (51%)
- Blue (55%)



- Red (52%)
- Yellow (51%)
- Blue (55%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (45%)



- Cyan (48%)
- Magenta (49%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5228, 23.1126, 28.0850 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 22.5228, 23.1126, 28.0850 by changing the saturation by 10% instead.

■ 22.5228, 23.1126,
28.0850

■ 22.5228, 23.1126,
28.0850

257.8458,
268.3028, 306.7976

■ 14.3603, 14.6767,
18.1501

■ 47.0810, 48.5782,
57.6449

■ 8.4551, 8.5928,
10.8873

■ 64.2074, 66.3766,
78.1069

■ 4.4417, 4.4765,
5.8779

■ 85.0525, 88.0646,
102.9152

■ 1.9549, 1.9435,
2.7034

109.9817,
114.0266, 132.4881

■ 0.6085, 0.5744,
0.9451

139.3602,
144.6471, 167.2443

■ 0.0000, 0.0000,
0.0000

173.5535,

180.3103, 207.6022

212.9269,
221.4008, 253.9804

■ 22.5228, 23.1126,
28.0850

■ 22.5228, 23.1126,
28.0850

■ 19.1370, 18.7624,
27.4241

■ 26.3424, 28.0649,
28.8399

■ 16.1673, 14.9883,
26.8522

■ 30.6085, 33.6381,
29.6908

■ 13.5981, 11.7668,
26.3658

■ 35.3358, 39.8539,
30.6414

■ 11.4118, 9.0715,
25.9608

■ 40.5376, 46.7319,
31.6949

■ 9.5893, 6.8741,
25.6327

■ 46.2268, 54.2911,
32.8541

■ 8.1101, 5.1432,
25.3765

■ 52.4158, 62.5495,
34.1219

■ 6.9514, 3.8442,
25.1869

■ 59.1165, 71.5246,
35.5011

■ 6.0875, 2.9372,
25.0573

■ 66.3404, 81.2331,
36.9943

■ 5.4804, 2.3590,
24.9777

■ 73.4560, 90.4062,
38.3898

Harmonies

Analogous

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



21.9533, 23.1126, 28.5297



22.5228, 23.1126, 28.0850



22.9499, 23.1126, 26.8501

Triad

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



22.5228, 23.1126, 28.0850



22.5484, 23.1126, 22.4946



20.8611, 23.1126, 25.1241

Complementary

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



22.5228, 23.1126, 28.0850



23.9569, 25.7987, 25.1909

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.



21.0142, 23.1126, 23.5532



22.5228, 23.1126, 28.0850



21.9824, 23.1126, 22.0771

Square

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



22.5228, 23.1126, 28.0850



22.9648, 23.1126, 23.6222



21.4221, 23.1126, 22.4560



21.0001, 23.1126, 26.7750

Rectangle

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



22.5228, 23.1126, 28.0850



23.0927, 23.1126, 25.7713



21.4221, 23.1126, 22.4560



20.8801, 23.1126, 24.5696

Sweetspot

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



22.5235, 23.1136, 28.0855



42.5663, 44.4448, 50.0782



23.1901, 24.9107, 28.3973



9.8289, 10.2678, 11.5433



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.



22.5235, 23.1136, 28.0855



38.6155, 39.3387, 49.3008



23.2411, 23.4835, 28.1191



4.8718, 4.9423, 6.3030



4.7254, 1.9502, 22.1730



0.0421, 0.0185, 0.1478

Inverse Universe

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



23.5197, 23.6440, 27.3700



40.8263, 40.5162, 47.7006



23.2355, 25.4268, 25.1571



5.1871, 5.1103, 6.0738



12.0658, 5.9364, 13.3828



0.0856, 0.0416, 0.1175

Previews

White Background



This preview shows how the XYZ color 22.5228, 23.1126, 28.0850 looks on a white background.

Color Contrast Check

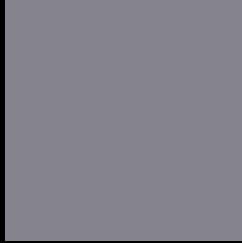
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.5228, 23.1126, 28.0850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

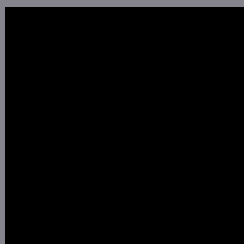
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.5228, 23.1126, 28.0850

Background



This preview shows how black text looks on a background with the XYZ color 22.5228, 23.1126, 28.0850.

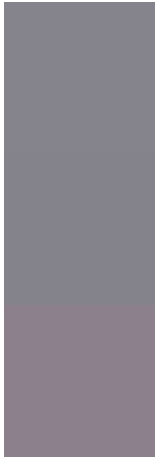


This preview shows how white text looks on a background with the XYZ color 22.5228, 23.1126,

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

22.5228, 23.1126, 28.0850

Protanopia

22.3656, 23.0316, 28.0777

Deuteranopia

23.5114, 23.0242, 28.4042



Tritanopia

22.5969, 23.1422, 28.4752

Trichromacy



Original Color

22.5228, 23.1126, 28.0850

Protanomaly

22.3656, 23.0316, 28.0777

Deuteranomaly

23.1392, 23.0269, 28.4244

Tritanomaly

22.5969, 23.1422, 28.4752

Monochromacy



Original Color

22.5228, 23.1126, 28.0850

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.3681, 23.2666, 26.6045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5228, 23.1126, 28.0850 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, 131, 140)` looks like.

```
.text, #text, p{  
    color:rgb(133, 131, 140)  
}
```

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, 131, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 131, 140) }
```

Border

The CSS property to change the border of an element to XYZ 22.5228, 23.1126, 28.0850 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, 131, 140) }
```


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

```
.border{ border-color:rgb(133, 131, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 131, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 131, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 131, 140);  
box-shadow:4px 4px 4px 4px rgb(133, 131,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5228, 23.1126, 28.0850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 131, 140) }
```

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

```
.background{ background-color: rgb(133,  
131, 140) }
```

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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