

Converting Colors

XYZ(22.9899, 23.9616, 28.3211)

Have a look what the booklet for
XYZ(22.9899, 23.9616, 28.3211)
contains.

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Color

**XYZ(22.9316, 23.9302,
28.2213)**

Conversions

Conversions Part 1

Format	Color
Hex	85868C
RGB	133, 134, 140
RGB Percent	52%, 53%, 55%
CMY	0.4784, 0.4745, 0.4510
CMYK	0.05, 0.04, 0.00, 0.45
HSL	231°, 3%, 54%
HSV	231°, 5%, 55%
XYZ	22.9316, 23.9302, 28.2213
YIQ	134.3850, -2.5220, 1.6540

Conversions

Conversions Part 2

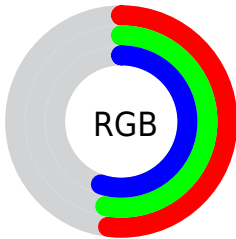
Format	Color
R_{YB}	133, 134, 140
Decimal	8750732
CIE Lab	56.02, 0.85, -3.35
CIE LCh	56, 3.454, 284.193
Yxy	23.9302, 0.3054, 0.3187
Android (android.graphics.Color)	4286940812 (0xFF85868C)
YUV	134.3850, 2.7682, -1.2146
Hunter-Lab	48.9185, -1.9317, 0.0383

Details

The XYZ color **22.9316, 23.9302, 28.2213** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **24.2815, 25.7339, 25.8781**, and the grayscale version is **22.7931, 23.9801, 26.1143**.

A 20% lighter version of the original color is **47.7576, 49.8748, 58.1486**, and **8.6719, 8.9637, 10.9460** is the 20% darker color. If you saturate the color by 10%, you get **19.3020, 19.7364, 27.6035**, and if you desaturate by 10%, it is **27.0453, 28.6541, 28.9167**.

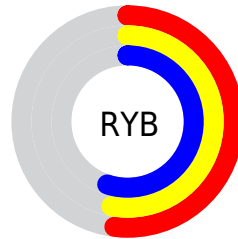
Distribution



Red (52%)

Green (53%)

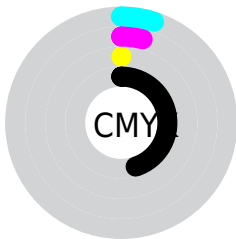
Blue (55%)



Red (52%)

Yellow (53%)

Blue (55%)

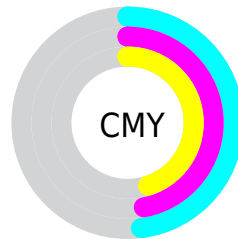


Cyan (5%)

Magenta (4%)

Yellow (0%)

Black (45%)



Cyan (48%)

Magenta (47%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9316, 23.9302, 28.2213 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 22.9316, 23.9302, 28.2213 by changing the saturation by 10% instead.

■ 22.9316, 23.9302,
28.2213

■ 22.9316, 23.9302,
28.2213

259.9154,
272.4674, 307.4680

■ 14.6634, 15.2819,
18.2521

■ 47.7485, 49.9163,
57.8649

■ 8.6683, 9.0174,
10.9598

■ 65.0279, 68.0228,
78.3764

■ 4.5808, 4.7526,
5.9260

■ 86.0418, 90.0508,
103.2389

■ 2.0357, 2.1028,
2.7321

111.1554,
116.3847, 132.8712

■ 0.6539, 0.6662,
0.9595

140.7343,
147.4090, 167.6917

■ 0.0000, 0.0000,
0.0000

175.1437,

183.5079, 208.1190

214.7489,
225.0659, 254.5716

■ 22.9316, 23.9302,
28.2213

■ 22.9316, 23.9302,
28.2213

■ 19.3020, 19.7364,
27.6035

■ 27.0453, 28.6541,
28.9167

■ 16.1367, 16.0512,
27.0590

■ 31.6579, 33.9226,
29.6905

■ 13.4173, 12.8560,
26.5856

■ 36.7862, 39.7535,
30.5457

■ 11.1237, 10.1301,
26.1803

■ 42.4455, 46.1628,
31.4845

■ 9.2341, 7.8511,
25.8400

■ 48.6505, 53.1658,
32.5092

■ 7.7245, 5.9948,
25.5613

■ 55.4154, 60.7774,
33.6218

■ 6.5689, 4.5348,
25.3404

■ 62.7538, 69.0118,
34.8244

■ 5.7373, 3.4415,
25.1732

■ 70.6788, 77.8828,
36.1190

■ 5.1916, 2.6793,
25.0548

■ 77.7154, 86.6369,
37.4379

Harmonies

Analogous

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



22.5387, 23.9302, 28.2046



22.9316, 23.9302, 28.2213



23.2783, 23.9302, 27.6463

Triad

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



22.9316, 23.9302, 28.2213



23.2937, 23.9302, 24.5694



22.0222, 23.9302, 25.4681

Complementary

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



22.9316, 23.9302, 28.2213



24.2815, 25.7339, 25.8781

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.



22.2198, 23.9302, 24.5278



22.9316, 23.9302, 28.2213



22.9524, 23.9302, 24.0193

Square

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



22.9316, 23.9302, 28.2213



23.4890, 23.9302, 25.5264



22.5593, 23.9302, 24.0042



22.0168, 23.9302, 26.5927

Rectangle

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



22.9316, 23.9302, 28.2213



23.4353, 23.9302, 27.0140



22.5593, 23.9302, 24.0042



22.0682, 23.9302, 25.1207

Sweetspot

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



22.9323, 23.9312, 28.2218



43.2117, 45.3910, 50.2268



23.7079, 25.6057, 28.1002



9.9680, 10.4718, 11.5753



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.



22.9323, 23.9312, 28.2218



39.6672, 41.3122, 49.6263



23.1858, 23.8572, 28.1942



5.0602, 5.2674, 6.3559



4.4386, 2.1476, 22.2263



0.0359, 0.0270, 0.1498

Inverse Universe

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



23.5064, 24.0722, 25.9629



40.8992, 41.6181, 44.7775



24.0190, 25.8150, 25.9076



5.2248, 5.3084, 5.7079



9.7272, 5.0010, 1.0680



0.0678, 0.0345, 0.0241

Previews

White Background



This preview shows how the XYZ color 22.9316, 23.9302, 28.2213 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 22.9316, 23.9302, 28.2213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

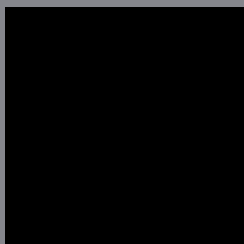
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

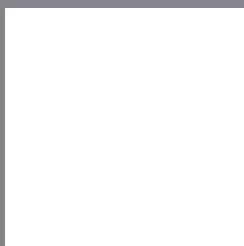
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9316, 23.9302, 28.2213

Background



This preview shows how black text looks on a background with the XYZ color 22.9316, 23.9302, 28.2213.



This preview shows how white text looks on a background with the XYZ color 22.9316, 23.9302,

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

22.9316, 23.9302, 28.2213

Protanopia

23.1128, 23.8194, 28.1904

Deuteranopia

24.2919, 23.8176, 28.5162



Tritanopia

23.2531, 23.8570, 29.7649

Trichromacy



Original Color

22.9316, 23.9302, 28.2213

Protanomaly

22.9527, 23.7368, 28.1829

Deuteranomaly

23.7392, 23.7311, 28.5287

Tritanomaly

23.1770, 23.8266, 29.3640

Monochromacy



Original Color

22.9316, 23.9302, 28.2213

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.8005, 23.8961, 26.7032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9316, 23.9302, 28.2213 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, 134, 140)` looks like.

```
.text, #text, p{  
    color:rgb(133, 134, 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, 134, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 134, 140) }
```

Border

The CSS property to change the border of an element to XYZ 22.9316, 23.9302, 28.2213 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, 134, 140) }
```


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

```
.border{ border-color:rgb(133, 134, 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, 134, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 134, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 134, 140);  
box-shadow:4px 4px 4px 4px rgb(133, 134,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9316, 23.9302, 28.2213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 134, 140) }
```

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

```
.background{ background-color: rgb(133,  
134, 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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