

Converting Colors

XYZ(23.8522, 24.8215, 28.9991)

Have a look what the booklet for
XYZ(23.8522, 24.8215, 28.9991)
contains.

XYZ(23.8400, 24.7956, 29.1207)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.8400, 24.7956,
29.1207)**

Conversions

Conversions Part 1

Format	Color
Hex	88888E
RGB	136, 136, 142
RGB Percent	53%, 53%, 56%
CMY	0.4667, 0.4667, 0.4431
CMYK	0.04, 0.04, 0.00, 0.44
HSL	240°, 3%, 55%
HSV	240°, 4%, 56%
XYZ	23.8400, 24.7956, 29.1207
YIQ	136.6840, -1.9260, 1.8660

Conversions

Conversions Part 2

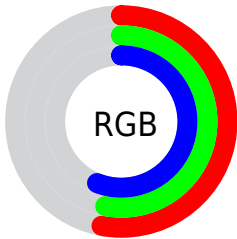
Format	Color
R_{YB}	136, 136, 142
Decimal	8947854
CIE Lab	56.88, 1.21, -3.21
CIE LCh	57, 3.429, 290.594
Yxy	24.7956, 0.3066, 0.3189
Android (android.graphics.Color)	4287137934 (0xFF88888E)
YUV	136.6840, 2.6208, -0.5999
Hunter-Lab	49.7952, -1.6827, 0.1833

Details

The XYZ color **23.8400, 24.7956, 29.1207** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **25.2723, 26.8740, 27.1481**, and the grayscale version is **23.6502, 24.8819, 27.0963**.

A 20% lighter version of the original color is **49.1477, 51.1995, 59.5167**, and **9.0973, 9.4067, 11.4614** is the 20% darker color. If you saturate the color by 10%, you get **19.8166, 19.9484, 28.3975**, and if you desaturate by 10%, it is **28.4352, 30.3320, 29.9475**.

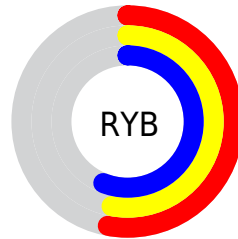
Distribution



Red (53%)

Green (53%)

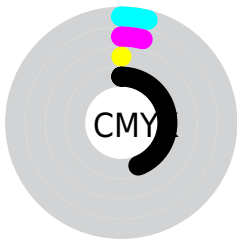
Blue (56%)



Red (53%)

Yellow (53%)

Blue (56%)

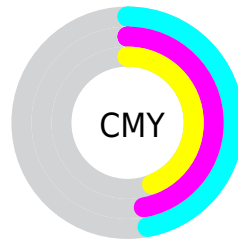


Cyan (4%)

Magenta (4%)

Yellow (0%)

Black (44%)



Cyan (47%)

Magenta (47%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8400, 24.7956, 29.1207 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 23.8400, 24.7956, 29.1207 by changing the saturation by 10% instead.

■ 23.8400, 24.7956,
29.1207

■ 23.8400, 24.7956,
29.1207

264.4661,
276.8185, 311.8628

■ 15.3391, 15.9248,
18.9258

■ 49.2256, 51.3254,
59.3133

■ 9.1456, 9.4710,
11.4404

■ 66.8409, 69.7533,
80.1480

■ 4.8941, 5.0496,
6.2460

■ 88.2251, 92.1356,
105.3664

■ 2.2194, 2.2764,
2.9240

113.7434,
118.8569, 135.3871

■ 0.7529, 0.7612,
1.0560

143.7614,
150.3014, 170.6285

■ 0.0000, 0.0000,
0.0000

178.6442,

186.8535, 211.5092

218.7573,
228.8978, 258.4478

■ 23.8400, 24.7956,
29.1207

■ 23.8400, 24.7956,
29.1207

■ 19.8166, 19.9484,
28.3975

■ 28.4352, 30.3320,
29.9475

■ 16.3405, 15.7603,
27.7724

■ 33.6210, 36.5797,
30.8801

■ 13.3888, 12.2040,
27.2415

■ 39.4182, 43.5637,
31.9226

■ 10.9361, 9.2487,
26.8003

■ 45.8456, 51.3071,
33.0785

■ 8.9547, 6.8612,
26.4439

■ 52.9217, 59.8318,
34.3510

■ 7.4146, 5.0052,
26.1669

■ 60.6637, 69.1586,
35.7432

■ 6.2818, 3.6401,
25.9631

■ 69.0885, 79.3080,
37.2582

■ 5.5179, 2.7194,
25.8256

■ 78.2123, 90.2994,
38.8989

■ 5.0748, 2.1852,
25.7459

■ 81.8826, 94.7330,
39.5612

Harmonies

Analogous

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



23.4416, 24.7956, 29.2382



23.8400, 24.7956, 29.1207



24.1689, 24.7956, 28.4259

Triad

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



23.8400, 24.7956, 29.1207



24.0608, 24.7956, 25.3260



22.8142, 24.7956, 26.6385

Complementary

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



23.8400, 24.7956, 29.1207



25.2723, 26.8740, 27.1481

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.



22.9761, 24.7956, 25.6191



23.8400, 24.7956, 29.1207



23.6938, 24.7956, 24.8757

Square

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



23.8400, 24.7956, 29.1207



24.2974, 24.7956, 26.2281



23.2970, 24.7956, 24.9814



22.8523, 24.7956, 27.7832

Rectangle

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



23.8400, 24.7956, 29.1207



24.3030, 24.7956, 27.7393



23.2970, 24.7956, 24.9814



22.8470, 24.7956, 26.2704

Sweetspot

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



23.8407, 24.7967, 29.1212



44.5254, 46.7199, 51.7990



24.7017, 26.5306, 29.3712



9.9568, 10.4494, 11.5716



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.



23.8407, 24.7967, 29.1212



41.3772, 42.9271, 51.2328



24.3178, 25.0421, 29.1435



5.4871, 5.6858, 6.8370



4.3844, 1.7547, 23.0847



0.0419, 0.0168, 0.2207

Inverse Universe

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



24.4040, 25.1371, 26.8596



42.5702, 43.6482, 46.4426



24.7815, 26.6215, 27.1253



5.6587, 5.7895, 6.1480



10.0161, 5.1635, 0.4704



0.0958, 0.0494, 0.0046

Previews

White Background



This preview shows how the XYZ color 23.8400, 24.7956, 29.1207 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 23.8400, 24.7956, 29.1207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

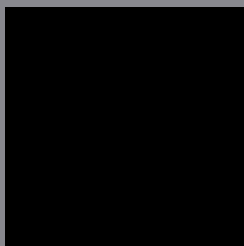
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

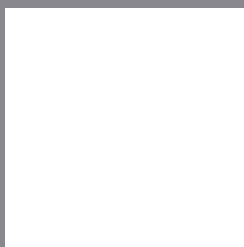
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8400, 24.7956, 29.1207

Background



This preview shows how black text looks on a background with the XYZ color 23.8400, 24.7956, 29.1207.



This preview shows how white text looks on a background with the XYZ color 23.8400, 24.7956,

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

23.8400, 24.7956, 29.1207

Protanopia

24.0032, 24.8797, 29.1283

Deuteranopia

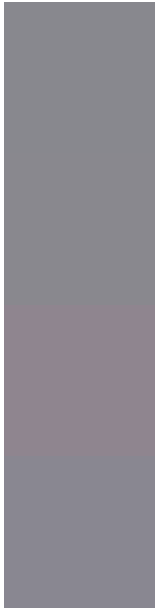
25.2418, 24.6887, 29.4216



Tritanopia

24.1688, 24.7216, 30.6920

Trichromacy



Original Color

23.8400, 24.7956, 29.1207

Protanomaly

24.0032, 24.8797, 29.1283

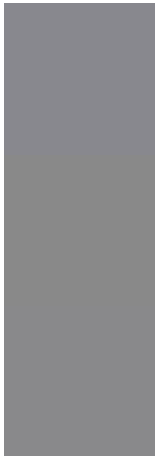
Deuteranomaly

24.6731, 24.5979, 29.4340

Tritanomaly

24.0913, 24.6906, 30.2841

Monochromacy



Original Color

23.8400, 24.7956, 29.1207

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.9224, 25.0738, 28.0050

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8400, 24.7956, 29.1207 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(136, 136, 142)` looks like.

```
.text, #text, p{  
    color:rgb(136, 136, 142)  
}
```

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(136, 136, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 136, 142) }
```

Border

The CSS property to change the border of an element to XYZ 23.8400, 24.7956, 29.1207 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(136, 136, 142) }
```


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

```
.border{ border-color:rgb(136, 136, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 136, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 136, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 136, 142);  
box-shadow:4px 4px 4px 4px rgb(136, 136,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8400, 24.7956, 29.1207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 136, 142) }
```

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

```
.background{ background-color: rgb(136,  
136, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor