

Converting Colors

XYZ(24.3800, 24.3263, 34.8630)

Have a look what the booklet for
XYZ(24.3800, 24.3263, 34.8630)
contains.

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Color

**XYZ(24.3800, 24.3263,
34.8630)**

Conversions

Conversions Part 1

Format	Color
Hex	87859C
RGB	135, 133, 156
RGB Percent	53%, 52%, 61%
CMY	0.4706, 0.4784, 0.3882
CMYK	0.13, 0.15, 0.00, 0.39
HSL	245°, 10%, 57%
HSV	245°, 15%, 61%
XYZ	24.3800, 24.3263, 34.8630
YIQ	136.2200, -6.1910, 7.5770

Conversions

Conversions Part 2

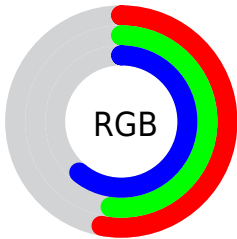
Format	Color
R_{YB}	135, 133, 156
Decimal	8881564
CIE Lab	56.41, 5.56, -11.97
CIE LCh	56, 13.204, 294.920
Yxy	24.3263, 0.2917, 0.2911
Android (android.graphics.Color)	4287071644 (0xFF87859C)
YUV	136.2200, 9.7515, -1.0699
Hunter-Lab	49.3217, 1.9206, -7.3839

Details

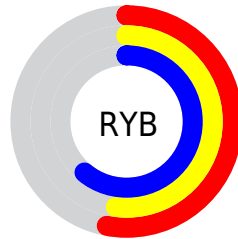
The XYZ color **24.3800, 24.3263, 34.8630** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **29.4494, 32.3411, 26.8818**, and the grayscale version is **23.4511, 24.6724, 26.8682**.

A 20% lighter version of the original color is **50.0558, 50.5123, 68.7396**, and **9.4664, 9.2919, 14.6592** is the 20% darker color. If you saturate the color by 10%, you get **20.2604, 19.2645, 34.1035**, and if you desaturate by 10%, it is **29.1250, 30.1827, 35.7437**.

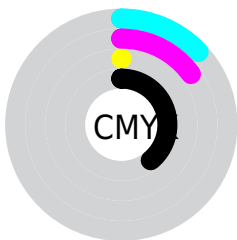
Distribution



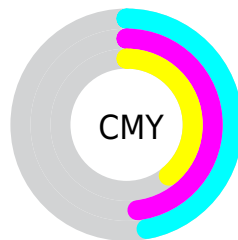
- Red (53%)
- Green (52%)
- Blue (61%)



- Red (53%)
- Yellow (52%)
- Blue (61%)



- Cyan (13%)
- Magenta (15%)
- Yellow (0%)
- Black (39%)



- Cyan (47%)
- Magenta (48%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3800, 24.3263, 34.8630 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 24.3800, 24.3263, 34.8630 by changing the saturation by 10% instead.

■ 24.3800, 24.3263,
34.8630

■ 24.3800, 24.3263,
34.8630

267.1410,
274.4660, 338.8491

■ 15.7420, 15.5758,
23.2747

■ 50.0998, 50.5622,
68.4226

■ 9.4315, 9.2245,
14.5892

■ 67.9123, 68.8163,
91.2310

■ 5.0830, 4.8879,
8.3882

■ 89.5136, 91.0072,
118.6165

■ 2.3313, 2.1816,
4.2530

115.2692,
117.5192, 150.9976

■ 0.8106, 0.7100,
1.7652

145.5444,
148.7367, 188.7928

■ 0.0000, 0.0000,
0.4048

180.7045,

■ 0.0000, 0.0000,

185.0441, 232.4208

0.0000

221.1149,
226.8257, 282.3001

■ 24.3800, 24.3263,
34.8630

■ 24.3800, 24.3263,
34.8630

■ 20.2604, 19.2645,
34.1035

■ 29.1250, 30.1827,
35.7437

■ 16.7378, 14.9601,
33.4583

■ 34.5177, 36.8626,
36.7488

■ 13.7853, 11.3775,
32.9224

■ 40.5819, 44.3973,
37.8835

■ 11.3727, 8.4772,
32.4898

■ 47.3396, 52.8155,
39.1523

■ 9.4672, 6.2156,
32.1537

■ 54.8119, 62.1447,
40.5591

■ 8.0322, 4.5443,
31.9067

■ 63.0190, 72.4109,
42.1082

■ 7.0264, 3.4079,
31.7404

■ 71.9801, 83.6395,
43.8032

■ 6.4001, 2.7383,
31.6441

■ 80.8127, 94.0523,
45.3475

■ 6.1751, 2.4902,
31.6081

■ 83.0008, 95.1803,
45.4499

Harmonies

Analogous

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



22.8626, 24.3263, 35.7708



24.3800, 24.3263, 34.8630



25.6069, 24.3263, 31.6166

Triad

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



24.3800, 24.3263, 34.8630



24.8492, 24.3263, 20.1880



20.3200, 24.3263, 25.7500

Complementary

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



24.3800, 24.3263, 34.8630



29.4494, 32.3411, 26.8818

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.



20.8022, 24.3263, 21.9450



24.3800, 24.3263, 34.8630



23.3822, 24.3263, 18.9672

Square

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



24.3800, 24.3263, 34.8630



25.8860, 24.3263, 23.1017



21.9069, 24.3263, 19.5734



20.5610, 24.3263, 30.1883

Rectangle

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



24.3800, 24.3263, 34.8630



26.0721, 24.3263, 28.7343



21.9069, 24.3263, 19.5734



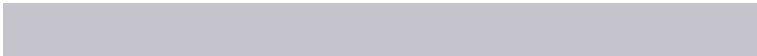
20.4022, 24.3263, 24.3604

Sweetspot

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



24.3807, 24.3273, 34.8635



53.5110, 55.5769, 65.0338



27.2438, 30.5262, 35.9092



11.6301, 12.0505, 14.2834



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



24.3807, 24.3273, 34.8635



41.4487, 40.6984, 62.7977



26.3174, 25.3257, 34.9542



6.3355, 6.4614, 8.3199



5.1002, 2.0583, 26.0357



0.1050, 0.0439, 0.4662

Inverse Universe

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



27.9314, 26.1771, 34.1535



49.2921, 44.7856, 61.1873



27.3786, 31.2735, 26.7849



6.8793, 6.7446, 8.2154



15.3487, 7.4440, 21.8850



0.2810, 0.1357, 0.4258

Previews

White Background



This preview shows how the XYZ color 24.3800, 24.3263, 34.8630 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 24.3800, 24.3263, 34.8630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

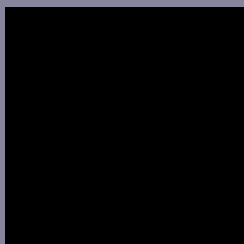
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

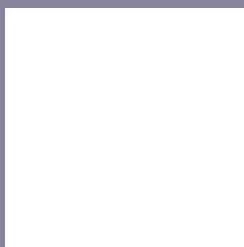
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3800, 24.3263, 34.8630

Background



This preview shows how black text looks on a background with the XYZ color 24.3800, 24.3263, 34.8630.



This preview shows how white text looks on a background with the XYZ color 24.3800, 24.3263,

34.8630.

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

24.3800, 24.3263, 34.8630

Protanopia

23.9710, 24.3098, 35.3271

Deuteranopia

24.7332, 24.3061, 34.8405



Tritanopia

23.4477, 24.3588, 30.2540

Trichromacy



Original Color

24.3800, 24.3263, 34.8630

Protanomaly

24.1266, 24.3900, 35.3344

Deuteranomaly

24.5685, 24.2212, 34.8327

Tritanomaly

23.7814, 24.2885, 31.8685

Monochromacy



Original Color

24.3800, 24.3263, 34.8630

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.7752, 24.5454, 29.4712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3800, 24.3263, 34.8630 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(135, 133, 156)` looks like.

```
.text, #text, p{  
    color:rgb(135, 133, 156)  
}
```

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(135, 133, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 133, 156) }
```

Border

The CSS property to change the border of an element to XYZ 24.3800, 24.3263, 34.8630 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(135, 133, 156) }
```


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

```
.border{ border-color:rgb(135, 133, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 133, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 133, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 133, 156);  
box-shadow:4px 4px 4px 4px rgb(135, 133,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3800, 24.3263, 34.8630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 133, 156) }
```

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

```
.background{ background-color: rgb(135,  
133, 156) }
```

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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