

Converting Colors

XYZ(23.8597, 24.0681, 33.3700)

Have a look what the booklet for
XYZ(23.8597, 24.0681, 33.3700)
contains.

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Color

**XYZ(23.9688, 24.1433,
33.5338)**

Conversions

Conversions Part 1

Format	Color
Hex	868599
RGB	134, 133, 153
RGB Percent	53%, 52%, 60%
CMY	0.4745, 0.4784, 0.4000
CMYK	0.12, 0.13, 0.00, 0.40
HSL	243°, 9%, 56%
HSV	243°, 13%, 60%
XYZ	23.9688, 24.1433, 33.5338
YIQ	135.5790, -5.8240, 6.4320

Conversions

Conversions Part 2

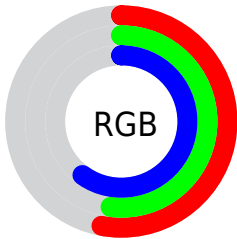
Format	Color
R_{YB}	134, 133, 153
Decimal	8816025
CIE _{Lab}	56.23, 4.55, -10.53
CIE _{LCh}	56, 11.469, 293.384
Yxy	24.1433, 0.2936, 0.2957
Android (android.graphics.Color)	4287006105 (0xFF868599)
YUV	135.5790, 8.5886, -1.3848
Hunter-Lab	49.1358, 1.0858, -6.0686

Details

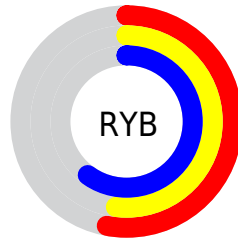
The XYZ color **23.9688, 24.1433, 33.5338** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **28.5746, 31.1519, 26.6983**, and the grayscale version is **23.2156, 24.4246, 26.5984**.

A 20% lighter version of the original color is **49.3149, 50.1876, 66.1195**, and **9.2248, 9.1848, 13.8570** is the 20% darker color. If you saturate the color by 10%, you get **19.8651, 19.1419, 32.7851**, and if you desaturate by 10%, it is **28.6976, 29.9212, 34.4002**.

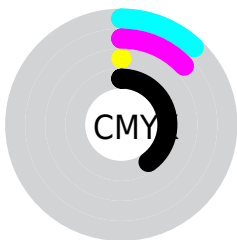
Distribution



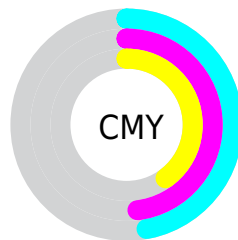
- Red (53%)
- Green (52%)
- Blue (60%)



- Red (53%)
- Yellow (52%)
- Blue (60%)



- Cyan (12%)
- Magenta (13%)
- Yellow (0%)
- Black (40%)



- Cyan (47%)
- Magenta (48%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.9688, 24.1433, 33.5338 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 23.9688, 24.1433, 33.5338 by changing the saturation by 10% instead.

■ 23.9688, 24.1433,
33.5338

■ 23.9688, 24.1433,
33.5338

265.1061,
273.5442, 332.7537

■ 15.4351, 15.4400,
22.2612

■ 49.4343, 50.2639,
66.3336

■ 9.2136, 9.1287,
13.8488

■ 67.0969, 68.4500,
88.6979

■ 4.9390, 4.8252,
7.8780

■ 88.5330, 90.5658,
115.5966

■ 2.2459, 2.1451,
3.9304

114.1082,
116.9957, 147.4481

■ 0.7668, 0.6898,
1.5872

144.1878,
148.1241, 184.6711

■ 0.0000, 0.0000,
0.2817

179.1370,

■ 0.0000, 0.0000,

184.3354, 227.6839

0.0000

219.3213,
226.0139, 276.9053

■ 23.9688, 24.1433,
33.5338

■ 23.9688, 24.1433,
33.5338

■ 19.8651, 19.1419,
32.7851

■ 28.6976, 29.9212,
34.4002

■ 16.3582, 14.8810,
32.1475

■ 34.0739, 36.5035,
35.3873

■ 13.4211, 11.3264,
31.6162

■ 40.1215, 43.9204,
36.5002

■ 11.0235, 8.4398,
31.1854

■ 46.8624, 52.1998,
37.7430

■ 9.1327, 6.1795,
30.8488

■ 54.3178, 61.3682,
39.1197

■ 7.7121, 4.4991,
30.5993

■ 62.5078, 71.4510,
40.6343

■ 6.7204, 3.3455,
30.4289

■ 71.4517, 82.4724,
42.2902

■ 6.1091, 2.6561,
30.3280

■ 81.0392, 94.1981,
44.0482

■ 5.8454, 2.3492,
30.2827

■ 82.7498, 95.0799,
44.1282

Harmonies

Analogous

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



22.6565, 24.1433, 34.1827



23.9688, 24.1433, 33.5338



25.0438, 24.1433, 30.8623

Triad

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



23.9688, 24.1433, 33.5338



24.4936, 24.1433, 20.8786



20.5194, 24.1433, 25.4600

Complementary

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



23.9688, 24.1433, 33.5338



28.5746, 31.1519, 26.6983

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.



20.9715, 24.1433, 22.1895



23.9688, 24.1433, 33.5338



23.2409, 24.1433, 19.7132

Square

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



23.9688, 24.1433, 33.5338



25.3548, 24.1433, 23.5094



21.9556, 24.1433, 20.1691



20.6976, 24.1433, 29.2772

Rectangle

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



23.9688, 24.1433, 33.5338



25.4644, 24.1433, 28.4200



21.9556, 24.1433, 20.1691



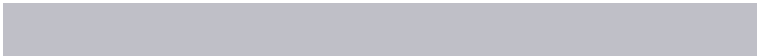
20.6021, 24.1433, 24.2653

Sweetspot

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



23.9695, 24.1443, 33.5343



50.4875, 52.4767, 61.4400



26.7058, 29.8519, 34.4918



11.0099, 11.4183, 13.5412



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.9695, 24.1443, 33.5343



40.4201, 40.1821, 59.5975



25.5816, 24.9754, 33.6098



5.9116, 6.0403, 7.7833



4.8397, 1.9460, 25.0282



0.0790, 0.0325, 0.3745

Inverse Universe

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



27.1927, 25.8154, 33.2566



47.4731, 43.8392, 58.9705



26.8382, 30.2568, 26.6171



6.4479, 6.3183, 7.7388



15.1083, 7.2976, 22.8932



0.2294, 0.1105, 0.3607

Previews

White Background



This preview shows how the XYZ color 23.9688, 24.1433, 33.5338 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 23.9688, 24.1433, 33.5338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

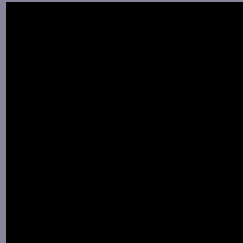
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.9688, 24.1433, 33.5338

Background



This preview shows how black text looks on a background with the XYZ color 23.9688, 24.1433, 33.5338.



This preview shows how white text looks on a background with the XYZ color 23.9688, 24.1433,

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

23.9688, 24.1433, 33.5338

Protanopia

23.7906, 24.2556, 33.5649

Deuteranopia

24.5135, 24.0215, 33.4816



Tritanopia

23.3088, 24.0811, 30.2077

Trichromacy



Original Color

23.9688, 24.1433, 33.5338

Protanomaly

23.9477, 24.3366, 33.5723

Deuteranomaly

24.3176, 24.1208, 33.5111

Tritanomaly

23.5433, 24.1749, 31.4423

Monochromacy



Original Color

23.9688, 24.1433, 33.5338

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.5381, 24.4318, 29.0664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9688, 24.1433, 33.5338 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(134, 133, 153)` looks like.

```
.text, #text, p{  
    color:rgb(134, 133, 153)  
}
```

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(134, 133, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 133, 153) }
```

Border

The CSS property to change the border of an element to XYZ 23.9688, 24.1433, 33.5338 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(134, 133, 153) }
```


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

```
.border{ border-color:rgb(134, 133, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 133, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 133, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 133, 153);  
box-shadow:4px 4px 4px 4px rgb(134, 133,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9688, 24.1433, 33.5338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 133, 153) }
```

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

```
.background{ background-color: rgb(134,  
133, 153) }
```

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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