

Converting Colors

XYZ(23.8556, 22.1919, 39.5854)

Have a look what the booklet for
XYZ(23.8556, 22.1919, 39.5854)
contains.

XYZ(23.8556, 22.1919, 39.5854)	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(23.8556, 22.1919,
39.5854)**

Conversions

Conversions Part 1

Format	Color
Hex	857CA7
RGB	133, 124, 167
RGB Percent	52%, 49%, 65%
CMY	0.4784, 0.5137, 0.3451
CMYK	0.20, 0.26, 0.00, 0.35
HSL	253°, 20%, 57%
HSV	253°, 26%, 65%
XYZ	23.8556, 22.1919, 39.5854
YIQ	131.5930, -8.4390, 15.2810

Conversions

Conversions Part 2

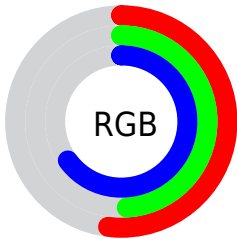
Format	Color
R_{YB}	133, 124, 167
Decimal	8748199
CIE _{Lab}	54.23, 12.68, -21.66
CIE _{LCh}	54, 25.095, 300.346
Yxy	22.1919, 0.2786, 0.2592
Android (android.graphics.Color)	4286938279 (0xFF857CA7)
YUV	131.5930, 17.4557, 1.2339
Hunter-Lab	47.1083, 7.9528, -16.8460

Details

The XYZ color **23.8556, 22.1919, 39.5854** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **31.5581, 36.3624, 24.4251**, and the grayscale version is **21.7278, 22.8593, 24.8938**.

A 20% lighter version of the original color is **49.4005, 47.2830, 75.6301**, and **9.1779, 8.1090, 17.3011** is the 20% darker color. If you saturate the color by 10%, you get **19.9821, 17.3473, 38.8548**, and if you desaturate by 10%, it is **28.3471, 27.8823, 40.4474**.

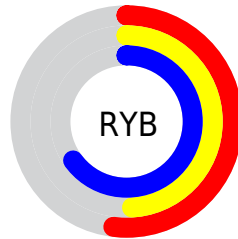
Distribution



Red (52%)

Green (49%)

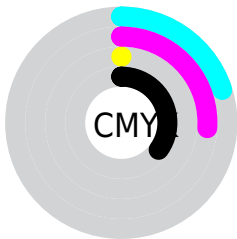
Blue (65%)



Red (52%)

Yellow (49%)

Blue (65%)

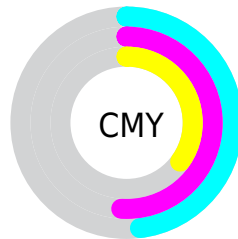


Cyan (20%)

Magenta (26%)

Yellow (0%)

Black (35%)



Cyan (48%)

Magenta (51%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8556, 22.1919, 39.5854 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 23.8556, 22.1919, 39.5854 by changing the saturation by 10% instead.

■ 23.8556, 22.1919,
39.5854

■ 23.8556, 22.1919,
39.5854

264.5437,
263.5468, 359.8730

■ 15.3507, 13.9980,
26.9041

■ 49.2508, 47.0630,
75.7619

■ 9.1538, 8.1193,
17.2694

■ 66.8719, 64.5089,
100.0942

■ 4.8995, 4.1714,
10.2628

■ 88.2624, 85.8076,
129.1473

■ 2.2226, 1.7699,
5.4657

113.7877,
111.3435, 163.3397

■ 0.7546, 0.4683,
2.4595

143.8131,
141.5010, 203.0899

■ 0.0000, 0.0000,
0.8186

178.7040,

■ 0.0000, 0.0000,

176.6644, 248.8165

0.0000

218.8257,
217.2182, 300.9380

■ 23.8556, 22.1919,
39.5854

■ 23.8556, 22.1919,
39.5854

■ 19.9821, 17.3473,
38.8548

■ 28.3471, 27.8823,
40.4474

■ 16.6968, 13.3051,
38.2477

■ 33.4803, 34.4537,
41.4453

■ 13.9709, 10.0220,
37.7577

■ 39.2801, 41.9427,
42.5851

■ 11.7720, 7.4498,
37.3771

■ 45.7695, 50.3827,
43.8722

■ 10.0641, 5.5342,
37.0974

■ 52.9704, 59.8058,
45.3115

■ 8.8068, 4.2132,
36.9087

■ 60.9037, 70.2423,
46.9078

■ 7.9495, 3.4068,
36.7982

■ 69.5895, 81.7214,
48.6657

■ 7.6666, 3.1465,
36.7629

■ 78.2108, 92.5985,
50.3108

■ 82.8245, 94.9769,
50.5267

Harmonies

Analogous

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



21.1245, 22.1919, 42.5151



23.8556, 22.1919, 39.5854



25.9878, 22.1919, 32.3844

Triad

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



23.8556, 22.1919, 39.5854



23.7960, 22.1919, 13.3176



16.2699, 22.1919, 24.2542

Complementary

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



23.8556, 22.1919, 39.5854



31.5581, 36.3624, 24.4251

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.



16.8545, 22.1919, 17.4664



23.8556, 22.1919, 39.5854



21.0610, 22.1919, 12.0384

Square

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



23.8556, 22.1919, 39.5854



25.9514, 22.1919, 17.3399



18.5519, 22.1919, 13.3787



16.8819, 22.1919, 32.5760

Rectangle

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



23.8556, 22.1919, 39.5854



26.6984, 22.1919, 26.7711



18.5519, 22.1919, 13.3787



16.3324, 22.1919, 21.7305

Sweetspot

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



23.8563, 22.1928, 39.5859



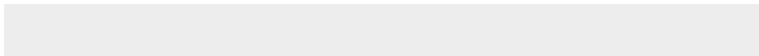
57.6490, 58.7345, 73.7737



27.5832, 31.6662, 41.2180



12.5921, 12.7478, 16.4490



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



23.8563, 22.1928, 39.5859



38.5593, 34.5206, 70.1061



27.5289, 24.0861, 39.7578



7.2731, 7.3734, 9.4582



5.9011, 2.4255, 28.1326



0.1833, 0.0795, 0.6863

Inverse Universe

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



29.3163, 25.1003, 35.6483



50.1191, 40.6821, 61.5157



27.7577, 34.4032, 24.2473



7.7737, 7.6393, 9.1253



15.4024, 7.5697, 17.4624



0.3912, 0.1908, 0.5115

Previews

White Background



This preview shows how the XYZ color 23.8556, 22.1919, 39.5854 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 23.8556, 22.1919, 39.5854 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 23.8556, 22.1919, 39.5854

Background



This preview shows how black text looks on a background with the XYZ color 23.8556, 22.1919, 39.5854.



This preview shows how white text looks on a background with the XYZ color 23.8556, 22.1919,

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

23.8556, 22.1919, 39.5854

Protanopia

22.4461, 22.1922, 41.1307

Deuteranopia

22.6407, 22.1429, 39.1571



Tritanopia

21.4125, 22.1538, 27.5736

Trichromacy



Original Color

23.8556, 22.1919, 39.5854

Protanomaly

22.9192, 22.2543, 40.6236

Deuteranomaly

23.0962, 22.1869, 39.1416

Tritanomaly

22.2201, 22.0945, 31.5273

Monochromacy



Original Color

23.8556, 22.1919, 39.5854

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.4768, 22.6504, 29.9754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8556, 22.1919, 39.5854 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, 124, 167)` looks like.

```
.text, #text, p{  
    color:rgb(133, 124, 167)  
}
```

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, 124, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 124, 167) }
```

Border

The CSS property to change the border of an element to XYZ 23.8556, 22.1919, 39.5854 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, 124, 167) }
```


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

```
.border{ border-color:rgb(133, 124, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 124, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 124, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 124, 167);  
box-shadow:4px 4px 4px 4px rgb(133, 124,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8556, 22.1919, 39.5854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 124, 167) }
```

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

```
.background{ background-color: rgb(133,  
124, 167) }
```

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