

Converting Colors

XYZ(23.8128, 22.3198, 35.2070)

Have a look what the booklet for
XYZ(23.8128, 22.3198, 35.2070)
contains.

XYZ(23.8604, 22.2872, 35.3920)	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(23.8604, 22.2872,
35.3920)**

Conversions

Conversions Part 1

Format	Color
Hex	8A7C9E
RGB	138, 124, 158
RGB Percent	54%, 49%, 62%
CMY	0.4588, 0.5137, 0.3804
CMYK	0.13, 0.22, 0.00, 0.38
HSL	265°, 15%, 55%
HSV	265°, 22%, 62%
XYZ	23.8604, 22.2872, 35.3920
YIQ	132.0620, -2.5700, 13.5420

Conversions

Conversions Part 2

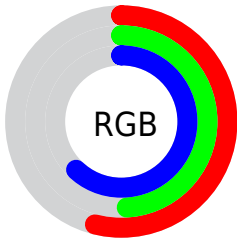
Format	Color
RYB	138, 124, 158
Decimal	9075870
CIELab	54.33, 12.27, -16.25
CIELCh	54, 20.364, 307.042
Yxy	22.2872, 0.2926, 0.2733
Android (android.graphics.Color)	4287265950 (0xFF8A7C9E)
YUV	132.0620, 12.7874, 5.2076
Hunter-Lab	47.2093, 7.6006, -11.4021

Details

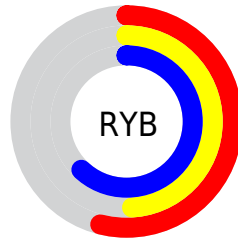
The XYZ color **23.8604, 22.2872, 35.3920** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **27.3674, 31.8388, 23.7729**, and the grayscale version is **21.9111, 23.0521, 25.1038**.

A 20% lighter version of the original color is **49.4706, 47.4548, 69.5031**, and **9.1944, 8.1684, 15.0020** is the 20% darker color. If you saturate the color by 10%, you get **20.5644, 17.8809, 34.7156**, and if you desaturate by 10%, it is **27.6067, 27.3978, 36.1813**.

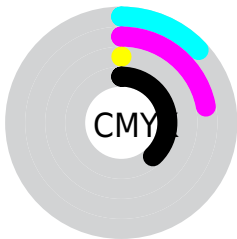
Distribution



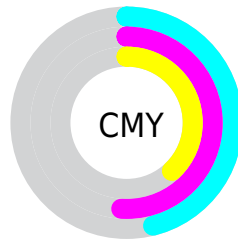
- Red (54%)
- Green (49%)
- Blue (62%)



- Red (54%)
- Yellow (49%)
- Blue (62%)



- Cyan (13%)
- Magenta (22%)
- Yellow (0%)
- Black (38%)



- Cyan (46%)
- Magenta (51%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8604, 22.2872, 35.3920 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 23.8604, 22.2872, 35.3920 by changing the saturation by 10% instead.

■ 23.8604, 22.2872,
35.3920

■ 23.8604, 22.2872,
35.3920

264.5675,
264.0425, 341.2519

■ 15.3543, 14.0681,
23.6790

■ 49.2586, 47.2202,
69.2510

■ 9.1563, 8.1680,
14.8857

■ 66.8814, 64.7029,
92.2342

■ 4.9012, 4.2027,
8.5935

■ 88.2739, 86.0422,
119.8111

■ 2.2236, 1.7876,
4.3838

113.8013,
111.6226, 152.4004

■ 0.7551, 0.4794,
1.8382

143.8290,
141.8284, 190.4206

■ 0.0000, 0.0000,
0.4530

178.7223,

■ 0.0000, 0.0000,

177.0441, 234.2902

0.0000

218.8467,
217.6540, 284.4278

■ 23.8604, 22.2872,
35.3920

■ 23.8604, 22.2872,
35.3920

■ 20.5644, 17.8809,
34.7156

■ 27.6067, 27.3978,
36.1813

■ 17.6982, 14.1441,
34.1454

■ 31.8185, 33.2396,
37.0870

■ 15.2428, 11.0435,
33.6763

■ 36.5127, 39.8417,
38.1139

■ 13.1768, 8.5416,
33.3023

■ 41.7047, 47.2305,
39.2664

■ 11.4767, 6.5967,
33.0165

■ 47.4094, 55.4312,
40.5486

10.1160, 5.1617,
32.8112

53.6408, 64.4681,
41.9645

9.0638, 4.1810,
32.6774

60.4125, 74.3641,
43.5177

8.3552, 3.5943,
32.6015

67.7376, 85.1414,
45.2119

71.9496, 89.4635,
45.8241

Harmonies

Analogous

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



21.7110, 22.2872, 38.5352



23.8604, 22.2872, 35.3920



25.3622, 22.2872, 29.3548

Triad

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



23.8604, 22.2872, 35.3920



22.8924, 22.2872, 14.6606



17.2228, 22.2872, 25.7970

Complementary

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



23.8604, 22.2872, 35.3920



27.3674, 31.8388, 23.7729

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.



17.4907, 22.2872, 19.8039



23.8604, 22.2872, 35.3920



20.6642, 22.2872, 14.0433

Square

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



23.8604, 22.2872, 35.3920



24.7767, 22.2872, 17.6220



18.7144, 22.2872, 15.7581



17.9554, 22.2872, 32.4021

Rectangle

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



23.8604, 22.2872, 35.3920



25.7389, 22.2872, 24.9032



18.7144, 22.2872, 15.7581



17.1997, 22.2872, 23.6416

Sweetspot

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



23.8611, 22.2881, 35.3925



54.1564, 55.3142, 66.5658



24.5185, 26.8224, 36.2330



12.1055, 12.3262, 14.9848



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.8611, 22.2881, 35.3925



40.2436, 36.3246, 63.6337



26.8208, 23.8139, 35.5310



6.5305, 6.5619, 8.3291



6.7343, 2.9007, 26.1122



0.1672, 0.0760, 0.4691

Inverse Universe

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



26.3430, 23.6990, 29.5726



45.6706, 39.4122, 50.7891



24.6778, 30.4523, 23.6471



6.7885, 6.7083, 7.7373



12.8935, 6.4620, 8.9561



0.2512, 0.1238, 0.2691

Previews

White Background



This preview shows how the XYZ color 23.8604, 22.2872, 35.3920 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 23.8604, 22.2872, 35.3920 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 23.8604, 22.2872, 35.3920

Background



This preview shows how black text looks on a background with the XYZ color 23.8604, 22.2872, 35.3920.



This preview shows how white text looks on a background with the XYZ color 23.8604, 22.2872,

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

23.8604, 22.2872, 35.3920

Protanopia

22.3093, 22.4113, 36.8682

Deuteranopia

22.7284, 22.2802, 35.0009



Tritanopia

22.2983, 22.4242, 27.1978

Trichromacy



Original Color

23.8604, 22.2872, 35.3920

Protanomaly

22.8366, 22.3060, 36.3596

Deuteranomaly

23.0624, 22.2616, 34.9797

Tritanomaly

22.8535, 22.4573, 29.9182

Monochromacy



Original Color

23.8604, 22.2872, 35.3920

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.4895, 22.6919, 28.3940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8604, 22.2872, 35.3920 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(138, 124, 158)` looks like.

```
.text, #text, p{  
    color:rgb(138, 124, 158)  
}
```

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(138, 124, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 124, 158) }
```

Border

The CSS property to change the border of an element to XYZ 23.8604, 22.2872, 35.3920 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(138, 124, 158) }
```


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

```
.border{ border-color:rgb(138, 124, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 124, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 124, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 124, 158);  
box-shadow:4px 4px 4px 4px rgb(138, 124,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8604, 22.2872, 35.3920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 124, 158) }
```

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

```
.background{ background-color: rgb(138,  
124, 158) }
```

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