

Converting Colors

XYZ(23.6982, 20.9947, 28.5626)

Have a look what the booklet for
XYZ(23.6982, 20.9947, 28.5626)
contains.

XYZ(23.7056, 20.9278, 28.3812)	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(23.7056, 20.9278,
28.3812)**

Conversions

Conversions Part 1

Format	Color
Hex	96748E
RGB	150, 116, 142
RGB Percent	59%, 45%, 56%
CMY	0.4118, 0.5451, 0.4431
CMYK	0.00, 0.23, 0.05, 0.41
HSL	314°, 14%, 52%
HSV	314°, 23%, 59%
XYZ	23.7056, 20.9278, 28.3812
YIQ	129.1300, 11.9180, 15.2940

Conversions

Conversions Part 2

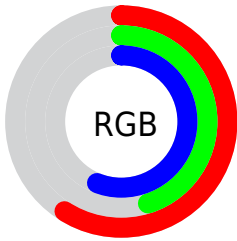
Format	Color
R_{YB}	150, 116, 142
Decimal	9860238
CIE Lab	52.87, 17.88, -9.02
CIE LCh	53, 20.022, 333.237
Yxy	20.9278, 0.3247, 0.2866
Android (android.graphics.Color)	4288050318 (0xFF96748E)
YUV	129.1300, 6.3449, 18.3030
Hunter-Lab	45.7469, 12.4398, -4.7604

Details

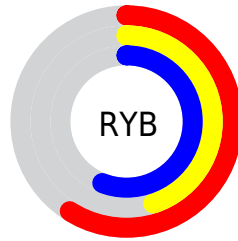
The XYZ color **23.7056, 20.9278, 28.3812** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.7478, 26.9817, 23.1318**, and the grayscale version is **20.8878, 21.9756, 23.9315**.

A 20% lighter version of the original color is **48.8683, 44.8282, 58.3016**, and **9.0845, 7.4397, 11.0824** is the 20% darker color. If you saturate the color by 10%, you get **21.8535, 17.6408, 26.4770**, and if you desaturate by 10%, it is **25.8465, 24.7784, 30.4235**.

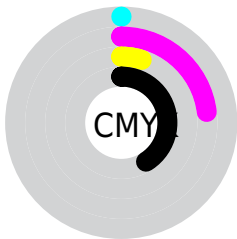
Distribution



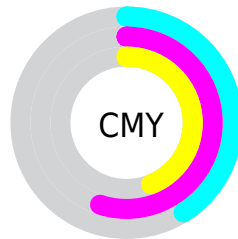
- Red (59%)
- Green (45%)
- Blue (56%)



- Red (59%)
- Yellow (45%)
- Blue (56%)



- Cyan (0%)
- Magenta (23%)
- Yellow (5%)
- Black (41%)



- Cyan (41%)
- Magenta (55%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7056, 20.9278, 28.3812 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 23.7056, 20.9278, 28.3812 by changing the saturation by 10% instead.

■ 23.7056, 20.9278,
28.3812

■ 23.7056, 20.9278,
28.3812

263.7969,
256.8945, 308.2530

■ 15.2389, 13.0712,
18.3717

■ 49.0075, 44.9673,
58.1229

■ 9.0747, 7.4776,
11.0450

■ 66.5735, 61.9191,
78.6921

■ 4.8474, 3.7626,
5.9825

■ 87.9033, 82.6714,
103.6183

■ 2.1918, 1.5416,
2.7658

■ 113.3623,
107.6086, 133.3201

■ 0.7384, 0.3178,
0.9764

143.3157,
137.1151, 168.2159

■ 0.0000, 0.0000,
0.0000

178.1291,

171.5754, 208.7243

218.1677,
211.3737, 255.2638

■ 23.7056, 20.9278,
28.3812

■ 23.7056, 20.9278,
28.3812

■ 21.8535, 17.6408,
26.4770

■ 25.8465, 24.7784,
30.4235

■ 20.2750, 14.8878,
24.7049

■ 28.2870, 29.2149,
32.6073

■ 18.9560, 12.6409,
23.0599

■ 31.0394, 34.2616,
34.9371

■ 17.8807, 10.8682,
21.5364

■ 34.1149, 39.9407,
37.4172

■ 17.0313, 9.5344,
20.1281

■ 37.5242, 46.2733,
40.0514

■ 16.3876, 8.5991,
18.8278

■ 41.2772, 53.2796,
42.8435

■ 15.9256, 8.0148,
17.6272

■ 45.3838, 60.9786,
45.7969

■ 15.6553, 7.7151,
16.7940

■ 49.8530, 69.3889,
48.9152

■ 54.6941, 78.5283,
52.2017

Harmonies

Analogous

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



22.1798, 20.9278, 33.8512



23.7056, 20.9278, 28.3812



24.1862, 20.9278, 22.1421

Triad

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



23.7056, 20.9278, 28.3812



19.6648, 20.9278, 13.1073



16.7113, 20.9278, 29.7065

Complementary

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



23.7056, 20.9278, 28.3812



21.7478, 26.9817, 23.1318

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.



16.1375, 20.9278, 23.4440



23.7056, 20.9278, 28.3812



17.7658, 20.9278, 14.4417

Square

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



23.7056, 20.9278, 28.3812



21.7592, 20.9278, 13.9667



16.5097, 20.9278, 17.9806



18.1334, 20.9278, 34.7058

Rectangle

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



23.7056, 20.9278, 28.3812



23.8234, 20.9278, 18.5349



16.5097, 20.9278, 17.9806



16.4175, 20.9278, 27.6438

Sweetspot

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



23.7062, 20.9287, 28.3816



47.9262, 47.9243, 55.7884



20.0539, 18.9739, 31.4601



10.5728, 10.5329, 12.3203



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



23.7062, 20.9287, 28.3816



40.1822, 33.9889, 48.4208



22.5298, 20.4582, 22.1867



5.9775, 5.8861, 6.9879



12.9967, 6.4037, 13.9955



0.1704, 0.0829, 0.2310

Inverse Universe

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



23.7062, 20.9287, 28.3816



40.1822, 33.9889, 48.4208



22.9123, 27.4475, 29.2643



5.9775, 5.8861, 6.9879



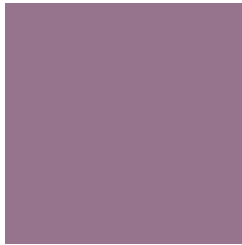
12.9967, 6.4037, 13.9955



0.1704, 0.0829, 0.2310

Previews

White Background



This preview shows how the XYZ color 23.7056, 20.9278, 28.3812 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 23.7056, 20.9278, 28.3812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

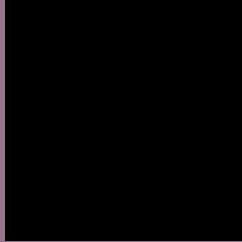
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7056, 20.9278, 28.3812

Background



This preview shows how black text looks on a background with the XYZ color 23.7056, 20.9278, 28.3812.



This preview shows how white text looks on a background with the XYZ color 23.7056, 20.9278,

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

23.7056, 20.9278, 28.3812

Protanopia

20.7050, 20.9429, 30.9681

Deuteranopia

21.4064, 20.9945, 28.1234



Tritanopia

22.7059, 21.0481, 23.2880

Trichromacy



Original Color

23.7056, 20.9278, 28.3812

Protanomaly

21.6636, 20.8999, 30.0864

Deuteranomaly

22.1717, 20.8450, 28.0542

Tritanomaly

23.1065, 21.0399, 25.0336

Monochromacy



Original Color

23.7056, 20.9278, 28.3812

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.8273, 21.4549, 25.5450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7056, 20.9278, 28.3812 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(150, 116, 142)` looks like.

```
.text, #text, p{  
    color:rgb(150, 116, 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(150, 116, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 116, 142) }
```

Border

The CSS property to change the border of an element to XYZ 23.7056, 20.9278, 28.3812 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(150, 116, 142) }
```


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

```
.border{ border-color:rgb(150, 116, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 116, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 116, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 116, 142);  
box-shadow:4px 4px 4px 4px rgb(150, 116,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7056, 20.9278, 28.3812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 116, 142) }
```

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

```
.background{ background-color: rgb(150,  
116, 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