

Converting Colors

XYZ(23.7199, 24.2367, 23.5066)

Have a look what the booklet for
XYZ(23.7199, 24.2367, 23.5066)
contains.

XYZ(23.7199, 24.2367, 23.5066)	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(23.7199, 24.2367,
23.5066)**

Conversions

Conversions Part 1

Format	Color
Hex	90857F
RGB	144, 133, 127
RGB Percent	56%, 52%, 50%
CMY	0.4353, 0.4784, 0.5020
CMYK	0.00, 0.08, 0.12, 0.44
HSL	21°, 7%, 53%
HSV	21°, 12%, 56%
XYZ	23.7199, 24.2367, 23.5066
YIQ	135.6050, 8.4820, 0.4660

Conversions

Conversions Part 2

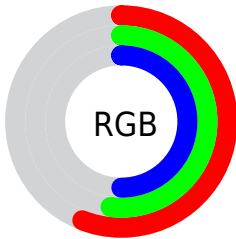
Format	Color
R_{YB}	144, 136, 127
Decimal	9471359
CIE _{Lab}	56.32, 3.05, 4.72
CIE _{LCh}	56, 5.619, 57.082
Yxy	24.2367, 0.3319, 0.3391
Android (android.graphics.Color)	4287661439 (0xFF90857F)
YUV	135.6050, -4.2423, 7.3624
Hunter-Lab	49.2308, -0.1507, 6.1519

Details

The XYZ color **23.7199, 24.2367, 23.5066** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.8747, 24.7020, 29.9481**, and the grayscale version is **23.2678, 24.4796, 26.6582**.

A 20% lighter version of the original color is **49.0858, 50.4189, 50.3247**, and **9.1616, 9.2704, 8.5142** is the 20% darker color. If you saturate the color by 10%, you get **21.6286, 21.4500, 18.5055**, and if you desaturate by 10%, it is **26.0598, 27.3054, 29.2530**.

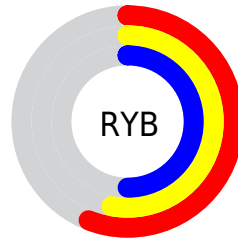
Distribution



Red (56%)

Green (52%)

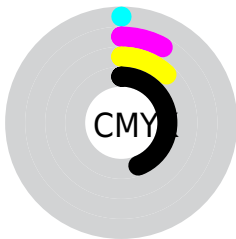
Blue (50%)



Red (56%)

Yellow (53%)

Blue (50%)

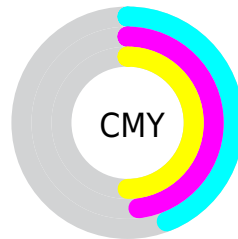


Cyan (0%)

Magenta (8%)

Yellow (12%)

Black (44%)



Cyan (44%)

Magenta (48%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7199, 24.2367, 23.5066 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 23.7199, 24.2367, 23.5066 by changing the saturation by 10% instead.

■ 23.7199, 24.2367,
23.5066

■ 23.7199, 24.2367,
23.5066

263.8681,
274.0150, 283.5222

■ 15.2496, 15.5093,
14.7592

■ 49.0307, 50.4162,
50.1575

■ 9.0822, 9.1776,
8.5058

■ 66.6020, 68.6371,
68.8982

■ 4.8524, 4.8572,
4.3279

■ 87.9376, 90.7912,
91.8069

■ 2.1948, 2.1637,
1.8069

113.4028,
117.2630, 119.3024

■ 0.7400, 0.7001,
0.4325

143.3632,
148.4369, 151.8032

■ 0.0000, 0.0000,
0.0000

178.1840,

184.6973, 189.7277

218.2305,
226.4285, 233.4945

■ 23.7199, 24.2367,
23.5066

■ 23.7199, 24.2367,
23.5066

■ 21.6286, 21.4500,
18.5055

■ 26.0598, 27.3054,
29.2530

■ 19.7753, 18.9341,
14.2174

■ 28.6545, 30.6608,
35.7721

■ 18.1517, 16.6814,
10.6098

■ 31.5124, 34.3112,
43.0918

■ 16.7479, 14.6830,
7.6470

■ 34.6409, 38.2639,
51.2384

■ 15.5534, 12.9294,
5.2904

■ 38.0471, 42.5258,
60.2365

■ 14.5568, 11.4103,
3.4966

■ 41.7378, 47.1036,
70.1102

■ 13.7453, 10.1147,
2.2169

■ 45.7197, 52.0038,
80.8823

■ 13.1044, 9.0304,
1.3938

■ 49.9991, 57.2325,
92.5748

■ 12.6790, 8.2839,
0.9307

■ 54.3233, 62.6925,
103.8455

Harmonies

Analogous

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



24.1633, 24.2367, 24.7985



23.7199, 24.2367, 23.5066



23.0997, 24.2367, 22.9845

Triad

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



23.7199, 24.2367, 23.5066



21.8144, 24.2367, 26.2084



23.6081, 24.2367, 29.6954

Complementary

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



23.7199, 24.2367, 23.5066



22.8747, 24.7020, 29.9481

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.



22.9729, 24.2367, 30.1155



23.7199, 24.2367, 23.5066



21.9448, 24.2367, 28.0474

Square

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



23.7199, 24.2367, 23.5066



22.0063, 24.2367, 24.4979



22.3659, 24.2367, 29.4993



24.0979, 24.2367, 28.3764

Rectangle

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



23.7199, 24.2367, 23.5066



22.6723, 24.2367, 23.1241



22.3659, 24.2367, 29.4993



23.4041, 24.2367, 29.9490

Sweetspot

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



23.7206, 24.2378, 23.5071



44.9847, 46.8841, 49.1696



23.6823, 22.9448, 27.2446



10.2486, 10.6635, 11.1091



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



23.7206, 24.2378, 23.5071



40.8814, 41.4837, 39.1510



24.9240, 26.6446, 23.9083



5.5550, 5.7163, 5.6999



11.0615, 7.2548, 0.8173



0.1251, 0.1080, 0.0143

Inverse Universe

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



22.8747, 24.7020, 29.9481



39.1056, 42.4578, 52.6721



21.7096, 22.3717, 29.5597



5.4022, 5.8001, 6.8636



7.8265, 8.6390, 24.2321



0.0956, 0.1242, 0.2386

Previews

White Background



This preview shows how the XYZ color 23.7199, 24.2367, 23.5066 looks on a white background.

Color Contrast Check

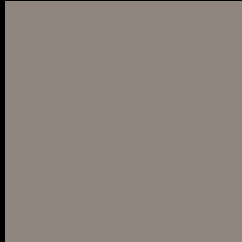
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7199, 24.2367, 23.5066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

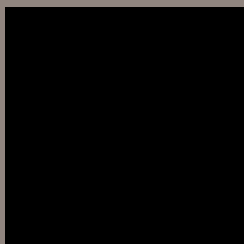
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7199, 24.2367, 23.5066

Background



This preview shows how black text looks on a background with the XYZ color 23.7199, 24.2367, 23.5066.



This preview shows how white text looks on a background with the XYZ color 23.7199, 24.2367,

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

23.7199, 24.2367, 23.5066

Protanopia

23.2077, 24.3754, 23.9038

Deuteranopia

24.5759, 24.0769, 23.4307



Tritanopia

24.7781, 24.2667, 28.5773

Trichromacy



Original Color

23.7199, 24.2367, 23.5066

Protanomaly

23.4059, 24.2714, 23.8733

Deuteranomaly

24.1598, 24.0608, 23.4495

Tritanomaly

24.3723, 24.2998, 26.6983

Monochromacy



Original Color

23.7199, 24.2367, 23.5066

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

23.5451, 24.5104, 25.6803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7199, 24.2367, 23.5066 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(144, 133, 127) looks like.

```
.text, #text, p{  
    color:rgb(144, 133, 127)  
}
```

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(144, 133, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 133, 127) }
```

Border

The CSS property to change the border of an element to XYZ 23.7199, 24.2367, 23.5066 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(144, 133, 127) }
```


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

```
.border{ border-color:rgb(144, 133, 127) }
```

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

Here you see how a box with a 4 pixel rgb(144, 133, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 133, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 133, 127);  
box-shadow:4px 4px 4px 4px rgb(144, 133,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7199, 24.2367, 23.5066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 133, 127) }
```

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

```
.background{ background-color: rgb(144,  
133, 127) }
```

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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