

Converting Colors

XYZ(22.3475, 23.7334, 23.4818)

Have a look what the booklet for
XYZ(22.3475, 23.7334, 23.4818)
contains.

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Color

**XYZ(22.3475, 23.7334,
23.4818)**

Conversions

Conversions Part 1

Format	Color
Hex	87867F
RGB	135, 134, 127
RGB Percent	53%, 53%, 50%
CMY	0.4706, 0.4745, 0.5020
CMYK	0.00, 0.01, 0.06, 0.47
HSL	53°, 3%, 51%
HSV	53°, 6%, 53%
XYZ	22.3475, 23.7334, 23.4818
YIQ	133.5010, 2.8430, -1.9650

Conversions

Conversions Part 2

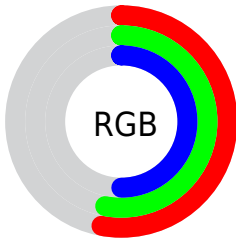
Format	Color
R_{YB}	128, 135, 127
Decimal	8881791
CIE Lab	55.82, -0.97, 3.89
CIE LCh	56, 4.008, 103.937
Yxy	23.7334, 0.3213, 0.3412
Android (android.graphics.Color)	4287071871 (0xFF87867F)
YUV	133.5010, -3.2050, 1.3146
Hunter-Lab	48.7169, -3.3729, 5.5238

Details

The XYZ color **22.3475, 23.7334, 23.4818** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.8446, 21.6992, 26.0116**, and the grayscale version is **22.4882, 23.6594, 25.7651**.

A 20% lighter version of the original color is **46.7476, 49.5273, 50.2759**, and **8.2918, 8.8220, 8.4735** is the 20% darker color. If you saturate the color by 10%, you get **21.2955, 22.9442, 19.0773**, and if you desaturate by 10%, it is **23.5224, 24.5792, 28.5096**.

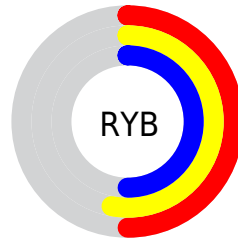
Distribution



Red (53%)

Green (53%)

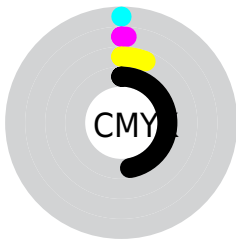
Blue (50%)



Red (50%)

Yellow (53%)

Blue (50%)

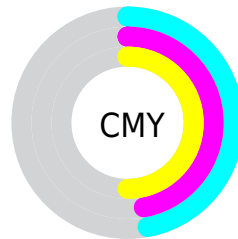


Cyan (0%)

Magenta (1%)

Yellow (6%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3475, 23.7334, 23.4818 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 22.3475, 23.7334, 23.4818 by changing the saturation by 10% instead.

■ 22.3475, 23.7334,
23.4818

■ 22.3475, 23.7334,
23.4818

256.9541,
271.4699, 283.3918

■ 14.2305, 15.1360,
14.7410

■ 46.7943, 49.5948,
50.1164

■ 8.3639, 8.9149,
8.4932

■ 63.8547, 67.6276,
68.8474

■ 4.3824, 4.6857,
4.3199

■ 84.6270, 89.5742,
91.7454

■ 1.9207, 2.0641,
1.8024

109.4766,
115.8192, 119.2292

■ 0.5888, 0.6443,
0.4296

138.7687,
146.7468, 151.7171

■ 0.0000, 0.0000,
0.0000

172.8688,

182.7416, 189.6279

212.1421,
224.1878, 233.3799

■ 22.3475, 23.7334,
23.4818

■ 22.3475, 23.7334,
23.4818

■ 21.2955, 22.9442,
19.0773

■ 23.5224, 24.5792,
28.5096

■ 20.3599, 22.2067,
15.2700

■ 24.8227, 25.4803,
34.1822

■ 19.5362, 21.5199,
12.0343

■ 26.2532, 26.4395,
40.5222

■ 18.8191, 20.8815,
9.3421

■ 27.8180, 27.4584,
47.5505

■ 18.2029, 20.2893,
7.1629

■ 29.5208, 28.5386,
55.2871

■ 17.6811, 19.7406,
5.4633

■ 31.3652, 29.6814,
63.7512

■ 17.2466, 19.2326,
4.2057

■ 33.3549, 30.8884,
72.9614

■ 16.8913, 18.7620,
3.3473

■ 35.4933, 32.1610,
82.9352

■ 16.6022, 18.3236,
2.8197

■ 37.7835, 33.5005,
93.6901

Harmonies

Analogous

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



22.8012, 23.7334, 23.5044



22.3475, 23.7334, 23.4818



21.9554, 23.7334, 24.0764

Triad

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



22.3475, 23.7334, 23.4818



21.9328, 23.7334, 27.6222



23.4104, 23.7334, 26.5422

Complementary

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



22.3475, 23.7334, 23.4818



20.8446, 21.6992, 26.0116

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.



23.1713, 23.7334, 27.6911



22.3475, 23.7334, 23.4818



22.3163, 23.7334, 28.3289

Square

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



22.3475, 23.7334, 23.4818



21.7181, 23.7334, 26.4508



22.7696, 23.7334, 28.3545



23.4190, 23.7334, 25.2419

Rectangle

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



22.3475, 23.7334, 23.4818



21.7799, 23.7334, 24.7547



22.7696, 23.7334, 28.3545



23.3542, 23.7334, 26.9599

Sweetspot

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



22.3482, 23.7344, 23.4823



40.8108, 43.0788, 45.4112



21.4820, 21.8902, 23.5384



9.4579, 9.9813, 10.5449



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



22.3482, 23.7344, 23.4823



39.7773, 42.3241, 41.0216



22.0211, 23.7714, 23.5067



5.0364, 5.3600, 5.1834



15.2131, 16.7488, 2.4310



0.0561, 0.0649, 0.0096

Inverse Universe

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



20.8446, 21.6992, 26.0116



36.5514, 37.9573, 46.4484



21.1585, 21.6689, 25.9892



4.6205, 4.7969, 5.8831



4.2210, 1.9898, 21.2983



0.0174, 0.0125, 0.0747

Previews

White Background



This preview shows how the XYZ color 22.3475, 23.7334, 23.4818 looks on a white background.

Color Contrast Check

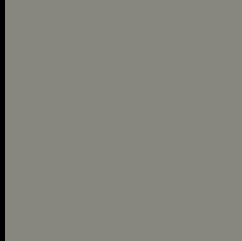
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3475, 23.7334, 23.4818 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

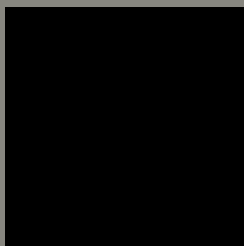
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

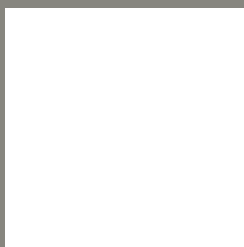
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3475, 23.7334, 23.4818

Background



This preview shows how black text looks on a background with the XYZ color 22.3475, 23.7334, 23.4818.



This preview shows how white text looks on a background with the XYZ color 22.3475, 23.7334, 23.4818.

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

22.3475, 23.7334, 23.4818

Protanopia

22.6995, 23.7106, 23.4589

Deuteranopia

24.1410, 23.6486, 23.7143



Tritanopia

23.4503, 23.7739, 28.9440

Trichromacy



Original Color

22.3475, 23.7334, 23.4818

Protanomaly

22.5348, 23.6257, 23.4512

Deuteranomaly

23.5142, 23.7204, 23.7612

Tritanomaly

23.0562, 23.8154, 27.0486

Monochromacy



Original Color

22.3475, 23.7334, 23.4818

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.4533, 23.7572, 24.8749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3475, 23.7334, 23.4818 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(135, 134, 127)` looks like.

```
.text, #text, p{  
    color:rgb(135, 134, 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(135, 134, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 134, 127) }
```

Border

The CSS property to change the border of an element to XYZ 22.3475, 23.7334, 23.4818 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(135, 134, 127) }
```


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

```
.border{ border-color:rgb(135, 134, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 134, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 134, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 134, 127);  
box-shadow:4px 4px 4px 4px rgb(135, 134,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3475, 23.7334, 23.4818 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 134, 127) }
```

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

```
.background{ background-color: rgb(135,  
134, 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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