

Converting Colors

XYZ(23.6515, 24.2481, 22.0047)

Have a look what the booklet for
XYZ(23.6515, 24.2481, 22.0047)
contains.

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Color

**XYZ(23.5774, 24.1999,
21.8407)**

Conversions

Conversions Part 1

Format	Color
Hex	91857A
RGB	145, 133, 122
RGB Percent	57%, 52%, 48%
CMY	0.4314, 0.4784, 0.5216
CMYK	0.00, 0.08, 0.16, 0.43
HSL	29°, 9%, 52%
HSV	29°, 16%, 57%
XYZ	23.5774, 24.1999, 21.8407
YIQ	135.3340, 10.6830, -0.8770

Conversions

Conversions Part 2

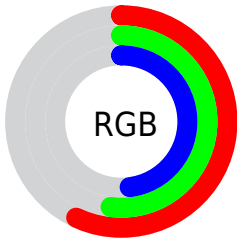
Format	Color
R_{YB}	145, 143, 122
Decimal	9536890
CIE Lab	56.29, 2.58, 7.56
CIE LCh	56, 7.986, 71.152
Yxy	24.1999, 0.3387, 0.3476
Android (android.graphics.Color)	4287726970 (0xFF91857A)
YUV	135.3340, -6.5737, 8.4771
Hunter-Lab	49.1934, -0.5370, 8.1120

Details

The XYZ color **23.5774, 24.1999, 21.8407** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.6618, 23.2316, 30.1307**, and the grayscale version is **23.1746, 24.3815, 26.5514**.

A 20% lighter version of the original color is **48.7521, 50.3159, 47.1868**, and **8.9890, 9.2014, 7.6056** is the 20% darker color. If you saturate the color by 10%, you get **21.7469, 21.8708, 17.1238**, and if you desaturate by 10%, it is **25.6179, 26.7339, 27.2896**.

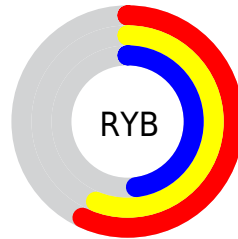
Distribution



Red (57%)

Green (52%)

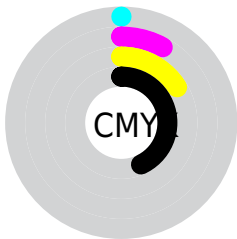
Blue (48%)



Red (57%)

Yellow (56%)

Blue (48%)

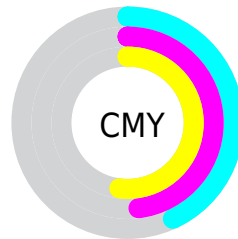


Cyan (0%)

Magenta (8%)

Yellow (16%)

Black (43%)



Cyan (43%)

Magenta (48%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5774, 24.1999, 21.8407 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 23.5774, 24.1999, 21.8407 by changing the saturation by 10% instead.

■ 23.5774, 24.1999,
21.8407

■ 23.5774, 24.1999,
21.8407

263.1572,
273.8296, 274.6396

■ 15.1435, 15.4820,
13.5427

■ 48.7994, 50.3562,
47.3814

■ 9.0071, 9.1583,
7.6682

■ 66.3182, 68.5634,
65.4611

■ 4.8030, 4.8446,
3.7987

■ 87.5960, 90.7024,
87.6386

■ 2.1657, 2.1564,
1.5156

112.9981,
117.1577, 114.3322

■ 0.7246, 0.6961,
0.2295

142.8899,
148.3137, 145.9606

■ 0.0000, 0.0000,
0.0000

177.6368,

184.5547, 182.9422

217.6042,
226.2652, 225.6957

■ 23.5774, 24.1999,
21.8407

■ 23.5774, 24.1999,
21.8407

■ 21.7469, 21.8708,
17.1238

■ 25.6179, 26.7339,
27.2896

■ 20.1169, 19.7379,
13.1057

■ 27.8735, 29.4749,
33.4987

■ 18.6801, 17.7966,
9.7528

■ 30.3515, 32.4290,
40.4966

■ 17.4280, 16.0408,
7.0282

■ 33.0584, 35.6010,
48.3099

■ 16.3512, 14.4638,
4.8914

■ 36.0002, 38.9955,
56.9640

■ 15.4394, 13.0588,
3.2970

■ 39.1829, 42.6172,
66.4832

■ 14.6809, 11.8181,
2.1928

■ 42.6120, 46.4703,
76.8907

■ 14.0596, 10.7321,
1.5028

■ 46.2931, 50.5592,
88.2089

■ 13.8278, 10.3212,
1.2634

■ 50.2314, 54.8879,
100.4595

Harmonies

Analogous

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



24.3589, 24.1999, 23.1549



23.5774, 24.1999, 21.8407



22.6609, 24.1999, 21.6858

Triad

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



23.5774, 24.1999, 21.8407



21.3093, 24.1999, 27.3415



24.1849, 24.1999, 30.3506

Complementary

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



23.5774, 24.1999, 21.8407



21.6618, 23.2316, 30.1307

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.



23.3451, 24.1999, 31.6382



23.5774, 24.1999, 21.8407



21.6951, 24.1999, 29.8254

Square

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



23.5774, 24.1999, 21.8407



21.3677, 24.1999, 24.7468



22.4346, 24.1999, 31.4399



24.7160, 24.1999, 28.0201

Rectangle

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



23.5774, 24.1999, 21.8407



22.0984, 24.1999, 22.2481



22.4346, 24.1999, 31.4399



23.9284, 24.1999, 30.9265

Sweetspot

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



23.5781, 24.2010, 21.8412



46.1700, 48.2349, 49.6653



22.9585, 21.6678, 25.6244



10.2173, 10.6645, 10.9028



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.



23.5781, 24.2010, 21.8412



41.0235, 41.8242, 35.9815



25.1987, 27.4424, 22.3814



5.6084, 5.8230, 5.7177



11.8863, 8.9043, 1.0922



0.1355, 0.1288, 0.0177

Inverse Universe

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



21.6618, 23.2316, 30.1307



36.9275, 39.7520, 53.7002



20.1912, 20.2903, 29.6405



5.3477, 5.6912, 6.8454



6.6051, 6.1962, 23.8249



0.0852, 0.1034, 0.2351

Previews

White Background



This preview shows how the XYZ color 23.5774, 24.1999, 21.8407 looks on a white background.

Color Contrast Check

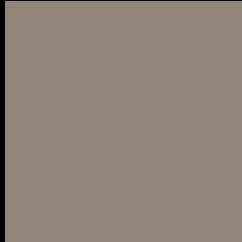
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5774, 24.1999, 21.8407 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

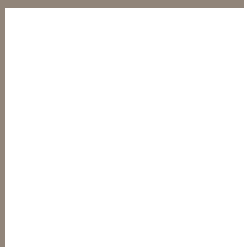
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5774, 24.1999, 21.8407

Background



This preview shows how black text looks on a background with the XYZ color 23.5774, 24.1999, 21.8407.



This preview shows how white text looks on a background with the XYZ color 23.5774, 24.1999,

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

23.5774, 24.1999, 21.8407

Protanopia

23.0543, 24.3335, 22.2206

Deuteranopia

24.6947, 24.1676, 22.1022



Tritanopia

24.7489, 24.0618, 28.1509

Trichromacy



Original Color

23.5774, 24.1999, 21.8407

Protanomaly

23.2556, 24.2310, 22.1902

Deuteranomaly

24.2691, 24.1467, 22.1205

Tritanomaly

24.2040, 24.0370, 25.5542

Monochromacy



Original Color

23.5774, 24.1999, 21.8407

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.2018, 24.1509, 24.5578

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5774, 24.1999, 21.8407 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(145, 133, 122) looks like.

```
.text, #text, p{  
    color:rgb(145, 133, 122)  
}
```

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(145, 133, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 133, 122) }
```

Border

The CSS property to change the border of an element to XYZ 23.5774, 24.1999, 21.8407 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(145, 133, 122) }
```


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

```
.border{ border-color:rgb(145, 133, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 133, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 133, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 133, 122);  
box-shadow:4px 4px 4px 4px rgb(145, 133,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5774, 24.1999, 21.8407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 133, 122) }
```

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

```
.background{ background-color: rgb(145,  
133, 122) }
```

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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