

Converting Colors

XYZ(23.2782, 24.2816, 21.9007)

Have a look what the booklet for
XYZ(23.2782, 24.2816, 21.9007)
contains.

XYZ(23.1933, 24.2061, 21.8622)	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(23.1933, 24.2061,
21.8622)**

Conversions

Conversions Part 1

Format	Color
Hex	8E867A
RGB	142, 134, 122
RGB Percent	56%, 53%, 48%
CMY	0.4431, 0.4745, 0.5216
CMYK	0.00, 0.06, 0.14, 0.44
HSL	36°, 8%, 52%
HSV	36°, 14%, 56%
XYZ	23.1933, 24.2061, 21.8622
YIQ	135.0240, 8.6200, -2.0360

Conversions

Conversions Part 2

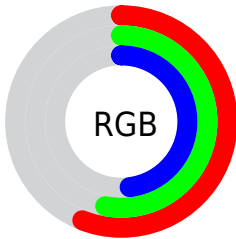
Format	Color
R_{YB}	135, 142, 122
Decimal	9340538
CIE Lab	56.29, 0.84, 7.53
CIE LCh	56, 7.577, 83.650
Yxy	24.2061, 0.3349, 0.3495
Android (android.graphics.Color)	4287530618 (0xFF8E867A)
YUV	135.0240, -6.4208, 6.1180
Hunter-Lab	49.1997, -1.9525, 8.0939

Details

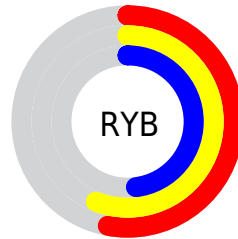
The XYZ color **23.1933, 24.2061, 21.8622** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.8912, 22.0555, 28.7475**, and the grayscale version is **23.0594, 24.2603, 26.4194**.

A 20% lighter version of the original color is **48.1753, 50.3324, 47.2204**, and **8.7866, 9.0970, 7.5961** is the 20% darker color. If you saturate the color by 10%, you get **21.6133, 22.3527, 17.3073**, and if you desaturate by 10%, it is **24.9453, 26.1974, 27.1094**.

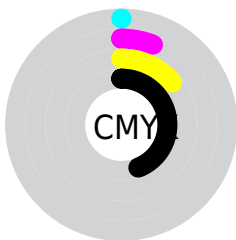
Distribution



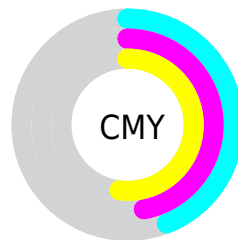
- Red (56%)
- Green (53%)
- Blue (48%)



- Red (53%)
- Yellow (56%)
- Blue (48%)



- Cyan (0%)
- Magenta (6%)
- Yellow (14%)
- Black (44%)



- Cyan (44%)
- Magenta (47%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1933, 24.2061, 21.8622 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 23.1933, 24.2061, 21.8622 by changing the saturation by 10% instead.

■ 23.1933, 24.2061,
21.8622

■ 23.1933, 24.2061,
21.8622

261.2331,
273.8608, 274.7558

■ 14.8578, 15.4866,
13.5583

■ 48.1749, 50.3663,
47.4174

■ 8.8053, 9.1616,
7.6789

■ 65.5516, 68.5758,
65.5058

■ 4.6705, 4.8467,
3.8054

■ 86.6728, 90.7174,
87.6928

■ 2.0880, 2.1576,
1.5192

111.9038,
117.1755, 114.3970

■ 0.6827, 0.6967,
0.2322

141.6100,
148.3345, 146.0368

■ 0.0000, 0.0000,
0.0000

176.1567,

184.5788, 183.0309

215.9093,
226.2927, 225.7977

■ 23.1933, 24.2061,
21.8622

■ 23.1933, 24.2061,
21.8622

■ 21.6133, 22.3527,
17.3073

■ 24.9453, 26.1974,
27.1094

■ 20.1972, 20.6304,
13.4136

■ 26.8733, 28.3268,
33.0751

■ 18.9390, 19.0365,
10.1501

■ 28.9835, 30.5985,
39.7859

■ 17.8316, 17.5672,
7.4826

■ 31.2811, 33.0156,
47.2666

■ 16.8672, 16.2182,
5.3735

■ 33.7712, 35.5811,
55.5409

■ 16.0371, 14.9849,
3.7810

■ 36.4587, 38.2979,
64.6314

■ 15.3316, 13.8621,
2.6574

■ 39.3482, 41.1687,
74.5600

■ 14.7388, 12.8439,
1.9435

■ 42.4442, 44.1964,
85.3475

■ 14.4212, 12.2823,
1.6106

■ 45.7512, 47.3834,
97.0142

Harmonies

Analogous

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



24.0163, 24.2061, 22.6716



23.1933, 24.2061, 21.8622



22.3405, 24.2061, 22.1942

Triad

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



23.1933, 24.2061, 21.8622



21.5038, 24.2061, 28.3318



24.3855, 24.2061, 29.3091

Complementary

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



23.1933, 24.2061, 21.8622



20.8912, 22.0555, 28.7475

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.



23.6870, 24.2061, 31.0088



23.1933, 24.2061, 21.8622



22.0267, 24.2061, 30.4201

Square

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



23.1933, 24.2061, 21.8622



21.3792, 24.2061, 25.8283



22.8220, 24.2061, 31.4276



24.7158, 24.2061, 26.8915

Rectangle

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



23.1933, 24.2061, 21.8622



21.8681, 24.2061, 23.0293



22.8220, 24.2061, 31.4276



24.1851, 24.2061, 29.9893

Sweetspot

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



23.1940, 24.2072, 21.8627



43.9888, 46.1967, 47.8056



22.1445, 21.2819, 24.0601



9.7758, 10.2629, 10.5276



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



23.1940, 24.2072, 21.8627



39.9562, 41.5916, 35.7947



24.0014, 26.3269, 22.2293



5.6610, 5.9284, 5.7353



12.9662, 11.0642, 1.4522



0.1456, 0.1490, 0.0211

Inverse Universe

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



20.8912, 22.0555, 28.7475



35.0630, 37.0198, 50.4254



20.1546, 20.1575, 28.4200



5.2955, 5.5868, 6.8280



5.7049, 4.3958, 23.5249



0.0751, 0.0832, 0.2318

Previews

White Background



This preview shows how the XYZ color 23.1933, 24.2061, 21.8622 looks on a white background.

Color Contrast Check

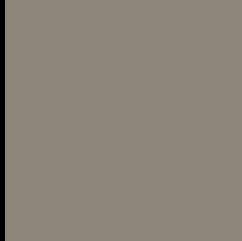
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1933, 24.2061, 21.8622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

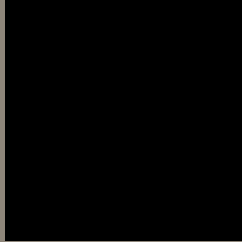
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.1933, 24.2061, 21.8622

Background



This preview shows how black text looks on a background with the XYZ color 23.1933, 24.2061, 21.8622.



This preview shows how white text looks on a background with the XYZ color 23.1933, 24.2061, 21.8622.

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

23.1933, 24.2061, 21.8622

Protanopia

22.9920, 24.3085, 21.8926

Deuteranopia

24.6947, 24.1676, 22.1022



Tritanopia

24.6011, 24.1754, 28.5690

Trichromacy



Original Color

23.1933, 24.2061, 21.8622

Protanomaly

23.1613, 24.3958, 21.9005

Deuteranomaly

24.0859, 24.0522, 22.1120

Tritanomaly

24.0559, 24.1531, 25.9484

Monochromacy



Original Color

23.1933, 24.2061, 21.8622

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.1745, 24.3429, 24.5963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1933, 24.2061, 21.8622 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(142, 134, 122) looks like.

```
.text, #text, p{  
    color:rgb(142, 134, 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(142, 134, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 134, 122) }
```

Border

The CSS property to change the border of an element to XYZ 23.1933, 24.2061, 21.8622 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(142, 134, 122) }
```


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

```
.border{ border-color:rgb(142, 134, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 134, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 134, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 134, 122);  
box-shadow:4px 4px 4px 4px rgb(142, 134,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1933, 24.2061, 21.8622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 134, 122) }
```

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

```
.background{ background-color: rgb(142,  
134, 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](#).

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