

Converting Colors

XYZ(22.0312, 23.5824, 20.0548)

Have a look what the booklet for
XYZ(22.0312, 23.5824, 20.0548)
contains.

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Color

**XYZ(21.9940, 23.6295,
19.9247)**

Conversions

Conversions Part 1

Format	Color
Hex	898674
RGB	137, 134, 116
RGB Percent	54%, 53%, 45%
CMY	0.4627, 0.4745, 0.5451
CMYK	0.00, 0.02, 0.15, 0.46
HSL	51°, 8%, 50%
HSV	51°, 15%, 54%
XYZ	21.9940, 23.6295, 19.9247
YIQ	132.8450, 7.5660, -4.9620

Conversions

Conversions Part 2

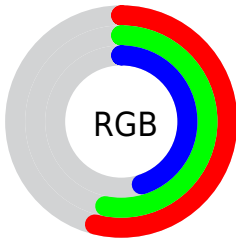
Format	Color
R_{YB}	120, 137, 116
Decimal	9012852
CIE _{Lab}	55.71, -2.15, 10.10
CIE _{LCh}	56, 10.326, 102.011
Yxy	23.6295, 0.3355, 0.3605
Android (android.graphics.Color)	4287202932 (0xFF898674)
YUV	132.8450, -8.3046, 3.6439
Hunter-Lab	48.6102, -4.3043, 9.7249

Details

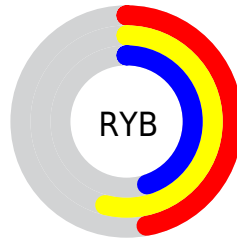
The XYZ color **21.9940, 23.6295, 19.9247** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.3146, 18.7124, 26.3137**, and the grayscale version is **22.2658, 23.4253, 25.5102**.

A 20% lighter version of the original color is **46.0734, 49.3150, 44.1362**, and **8.1442, 8.7842, 6.7351** is the 20% darker color. If you saturate the color by 10%, you get **20.9876, 22.7993, 15.9433**, and if you desaturate by 10%, it is **23.1242, 24.5188, 24.5279**.

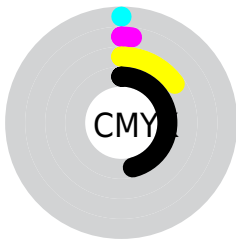
Distribution



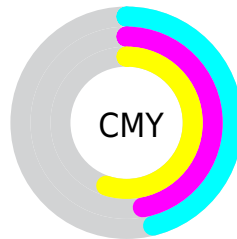
- Red (54%)
- Green (53%)
- Blue (45%)



- Red (47%)
- Yellow (54%)
- Blue (45%)



- Cyan (0%)
- Magenta (2%)
- Yellow (15%)
- Black (46%)



- Cyan (46%)
- Magenta (47%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9940, 23.6295, 19.9247 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 21.9940, 23.6295, 19.9247 by changing the saturation by 10% instead.

■ 21.9940, 23.6295,
19.9247

■ 21.9940, 23.6295,
19.9247

255.1479,
270.9420, 264.0979

■ 13.9691, 15.0590,
12.1568

■ 46.2150, 49.4249,
44.1482

■ 8.1807, 8.8608,
6.7267

■ 63.1418, 67.4186,
61.4409

■ 4.2636, 4.6505,
3.2159

■ 83.7666, 89.3222,
82.7456

■ 1.8523, 2.0437,
1.2059

108.4547,
115.5201, 108.4808

■ 0.5489, 0.6327,
0.0000

137.5716,
146.3966, 139.0651

■ 0.0000, 0.0000,
0.0000

171.4825,

182.3361, 174.9170

210.5528,
223.7231, 216.4551

■ 21.9940, 23.6295,
19.9247

■ 21.9940, 23.6295,
19.9247

■ 20.9876, 22.7993,
15.9433

■ 23.1242, 24.5188,
24.5279

■ 20.0981, 22.0230,
12.5551

■ 24.3811, 25.4660,
29.7766

■ 19.3204, 21.2993,
9.7317

■ 25.7700, 26.4742,
35.6954

■ 18.6485, 20.6259,
7.4416

■ 27.2953, 27.5449,
42.3069

■ 18.0760, 20.0000,
5.6503

■ 28.9609, 28.6800,
49.6328

■ 17.5955, 19.4187,
4.3191

■ 30.7710, 29.8811,
57.6937

■ 17.1984, 18.8785,
3.4040

■ 32.7292, 31.1497,
66.5096

■ 16.8728, 18.3746,
2.8412

■ 34.8393, 32.4873,
76.0995

■ 16.7302, 18.1456,
2.6207

■ 37.1047, 33.8953,
86.4819

Harmonies

Analogous

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



23.1614, 23.6295, 20.0718



21.9940, 23.6295, 19.9247



20.9862, 23.6295, 21.2301

Triad

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



21.9940, 23.6295, 19.9247



20.8280, 23.6295, 30.2882



24.6686, 23.6295, 27.7710

Complementary

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



21.9940, 23.6295, 19.9247



18.3146, 18.7124, 26.3137

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.



23.9994, 23.6295, 30.8212



21.9940, 23.6295, 19.9247



21.7712, 23.6295, 32.3592

Square

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



21.9940, 23.6295, 19.9247



20.3288, 23.6295, 27.0934



22.9308, 23.6295, 32.5623



24.7333, 23.6295, 24.4103

Rectangle

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



21.9940, 23.6295, 19.9247



20.5297, 23.6295, 22.8205



22.9308, 23.6295, 32.5623



24.5058, 23.6295, 28.8737

Sweetspot

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



21.9946, 23.6305, 19.9252



41.4575, 43.9442, 44.1168



19.9010, 19.1450, 20.1468



9.2697, 9.8341, 9.7756



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.



21.9946, 23.6305, 19.9252



38.8117, 41.8501, 33.3776



21.2506, 23.8707, 20.0108



5.3713, 5.7254, 5.3744



15.5906, 16.9156, 2.4433



0.1113, 0.1278, 0.0188

Inverse Universe

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



18.3146, 18.7124, 26.3137



31.0656, 31.4983, 46.8256



18.9796, 18.5340, 26.2442



4.8285, 5.0000, 6.3165



4.4376, 2.1456, 22.2259



0.0358, 0.0270, 0.1498

Previews

White Background



This preview shows how the XYZ color 21.9940, 23.6295, 19.9247 looks on a white background.

Color Contrast Check

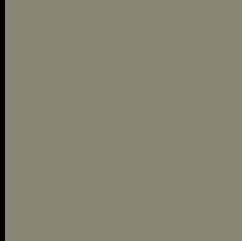
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9940, 23.6295, 19.9247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

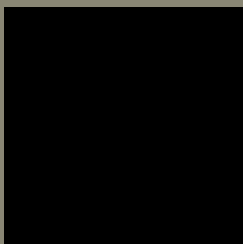
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

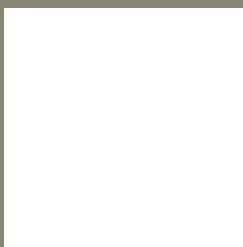
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9940, 23.6295, 19.9247

Background



This preview shows how black text looks on a background with the XYZ color 21.9940, 23.6295, 19.9247.



This preview shows how white text looks on a background with the XYZ color 21.9940, 23.6295,

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

21.9940, 23.6295, 19.9247

Protanopia

22.3551, 23.6115, 19.9022

Deuteranopia

24.0100, 23.6603, 20.1310



Tritanopia

23.6056, 23.4638, 28.4841

Trichromacy



Original Color

21.9940, 23.6295, 19.9247

Protanomaly

22.1874, 23.5250, 19.8944

Deuteranomaly

23.3598, 23.7200, 20.1768

Tritanomaly

22.9286, 23.3875, 25.1356

Monochromacy



Original Color

21.9940, 23.6295, 19.9247

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.0498, 23.3757, 23.4285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9940, 23.6295, 19.9247 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(137, 134, 116)` looks like.

```
.text, #text, p{  
    color:rgb(137, 134, 116)  
}
```

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(137, 134, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 134, 116) }
```

Border

The CSS property to change the border of an element to XYZ 21.9940, 23.6295, 19.9247 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(137, 134, 116) }
```


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

```
.border{ border-color:rgb(137, 134, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 134, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 134, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 134, 116);  
box-shadow:4px 4px 4px 4px rgb(137, 134,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9940, 23.6295, 19.9247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 134, 116) }
```

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

```
.background{ background-color: rgb(137,  
134, 116) }
```

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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