

Converting Colors

XYZ(21.4458, 23.4795, 23.1757)

Have a look what the booklet for
XYZ(21.4458, 23.4795, 23.1757)
contains.

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Color

**XYZ(21.4831, 23.5014,
23.1426)**

Conversions

Conversions Part 1

Format	Color
Hex	81877E
RGB	129, 135, 126
RGB Percent	51%, 53%, 49%
CMY	0.4941, 0.4706, 0.5059
CMYK	0.04, 0.00, 0.07, 0.47
HSL	100°, 4%, 51%
HSV	100°, 7%, 53%
XYZ	21.4831, 23.5014, 23.1426
YIQ	132.1800, -0.6870, -4.0710

Conversions

Conversions Part 2

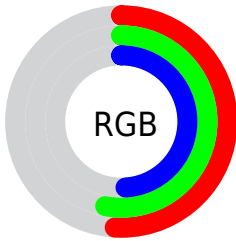
Format	Color
R_{YB}	126, 135, 132
Decimal	8488830
CIE Lab	55.59, -3.98, 4.07
CIE LCh	56, 5.693, 134.424
Yxy	23.5014, 0.3153, 0.3450
Android (android.graphics.Color)	4286678910 (0xFF81877E)
YUV	132.1800, -3.0467, -2.7889
Hunter-Lab	48.4782, -5.7348, 5.6308

Details

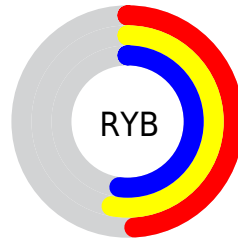
The XYZ color **21.4831, 23.5014, 23.1426** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.3507, 21.5771, 25.9624**, and the grayscale version is **22.0084, 23.1546, 25.2153**.

A 20% lighter version of the original color is **45.4113, 49.1662, 49.7444**, and **7.8963, 8.7383, 8.2917** is the 20% darker color. If you saturate the color by 10%, you get **19.3626, 22.5029, 18.7988**, and if you desaturate by 10%, it is **23.8430, 24.6111, 28.1124**.

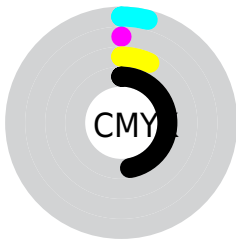
Distribution



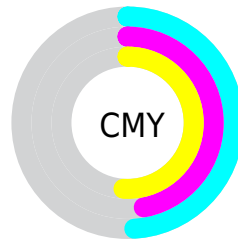
- Red (51%)
- Green (53%)
- Blue (49%)



- Red (49%)
- Yellow (53%)
- Blue (52%)



- Cyan (4%)
- Magenta (0%)
- Yellow (7%)
- Black (47%)



- Cyan (49%)
- Magenta (47%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4831, 23.5014, 23.1426 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 21.4831, 23.5014, 23.1426 by changing the saturation by 10% instead.

■ 21.4831, 23.5014,
23.1426

■ 21.4831, 23.5014,
23.1426

252.5183,
270.2899, 281.6022

■ 13.5921, 14.9642,
14.4925

■ 45.3754, 49.2153,
49.5535

■ 7.9173, 8.7942,
8.3214

■ 62.1074, 67.1608,
68.1515

■ 4.0934, 4.6072,
4.2106

■ 82.5171, 89.0112,
90.9025

■ 1.7551, 2.0187,
1.7416

106.9698,
115.1508, 118.2251

■ 0.4904, 0.6183,
0.3890

135.8309,
145.9641, 150.5378

■ 0.0000, 0.0000,
0.0000

169.4658,

181.8355, 188.2592

208.2398,
223.1493, 231.8078

■ 21.4831, 23.5014,
23.1426

■ 21.4831, 23.5014,
23.1426

■ 19.3626, 22.5029,
18.7988

■ 23.8430, 24.6111,
28.1124

■ 17.4718, 21.6090,
15.0546

■ 26.4477, 25.8322,
33.7299

■ 15.8030, 20.8172,
11.8841

■ 29.3050, 27.1690,
40.0179

■ 14.3477, 20.1235,
9.2589

■ 32.4216, 28.6244,
46.9975

■ 13.0963, 19.5239,
7.1482

■ 35.8039, 30.2013,
54.6889

■ 12.0389, 19.0138,
5.5180

■ 39.4584, 31.9027,
63.1115

■ 11.1643, 18.5883,
4.3305

■ 43.3910, 33.7310,
72.2839

■ 10.4602, 18.2420,
3.5419

■ 47.6076, 35.6891,
82.2241

■ 9.9073, 17.9667,
3.0749

■ 52.1139, 37.7795,
92.9494

Harmonies

Analogous

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



22.0308, 23.5014, 22.3107



21.4831, 23.5014, 23.1426



21.1675, 23.5014, 24.6500

Triad

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



21.4831, 23.5014, 23.1426



22.0070, 23.5014, 29.1536



23.5563, 23.5014, 24.7171

Complementary

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



21.4831, 23.5014, 23.1426



21.3507, 21.5771, 25.9624

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.



23.5496, 23.5014, 26.5516



21.4831, 23.5014, 23.1426



22.6468, 23.5014, 29.1737

Square

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



21.4831, 23.5014, 23.1426



21.4660, 23.5014, 28.1484



23.2140, 23.5014, 28.2021



23.2321, 23.5014, 23.1897

Rectangle

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



21.4831, 23.5014, 23.1426



21.1272, 23.5014, 25.8631



23.2140, 23.5014, 28.2021



23.5929, 23.5014, 25.3169

Sweetspot

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



21.4838, 23.5024, 23.1431



40.3708, 42.9794, 45.4152



22.0098, 23.1608, 23.0494



9.3627, 9.9598, 10.5457



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.



21.4838, 23.5024, 23.1431



37.8704, 41.8033, 40.1966



21.1323, 23.3100, 23.6359



4.7517, 5.2746, 4.9970



8.9996, 16.4994, 2.7104



0.0383, 0.0608, 0.0097

Inverse Universe

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



21.3507, 21.5771, 25.9624



37.5809, 37.6160, 46.3283



21.7216, 21.7805, 25.4321



4.7111, 4.6872, 5.8572



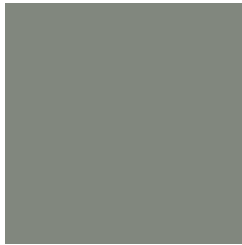
7.9365, 3.6256, 21.4182



0.0353, 0.0166, 0.0746

Previews

White Background



This preview shows how the XYZ color 21.4831, 23.5014, 23.1426 looks on a white background.

Color Contrast Check

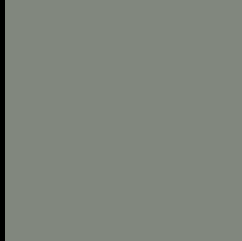
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4831, 23.5014, 23.1426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

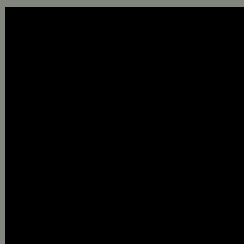
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

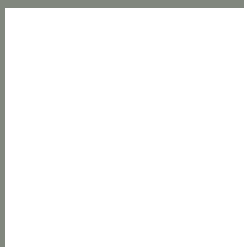
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.4831, 23.5014, 23.1426

Background



This preview shows how black text looks on a background with the XYZ color 21.4831, 23.5014, 23.1426.

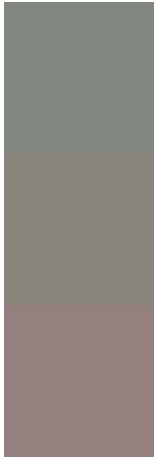


This preview shows how white text looks on a background with the XYZ color 21.4831, 23.5014,

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

21.4831, 23.5014, 23.1426

Protanopia

22.4057, 23.5741, 22.7714

Deuteranopia

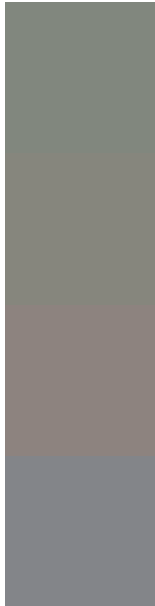
23.8938, 23.5287, 23.3608



Tritanopia

22.7249, 23.3912, 29.3038

Trichromacy



Original Color

21.4831, 23.5014, 23.1426

Protanomaly

22.0583, 23.5992, 22.7945

Deuteranomaly

22.9316, 23.4276, 23.3920

Tritanomaly

22.2630, 23.4065, 27.0114

Monochromacy



Original Color

21.4831, 23.5014, 23.1426

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.7769, 23.2121, 24.4517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4831, 23.5014, 23.1426 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(129, 135, 126) looks like.

```
.text, #text, p{  
    color:rgb(129, 135, 126)  
}
```

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(129, 135, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 135, 126) }
```

Border

The CSS property to change the border of an element to XYZ 21.4831, 23.5014, 23.1426 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(129, 135, 126) }
```


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

```
.border{ border-color:rgb(129, 135, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 135, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 135, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 135, 126);  
box-shadow:4px 4px 4px 4px rgb(129, 135,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4831, 23.5014, 23.1426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 135, 126) }
```

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

```
.background{ background-color: rgb(129,  
135, 126) }
```

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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