

Converting Colors

XYZ(21.5026, 23.8419, 17.6560)

Have a look what the booklet for
XYZ(21.5026, 23.8419, 17.6560)
contains.

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Color

**XYZ(21.5026, 23.8419,
17.6560)**

Conversions

Conversions Part 1

Format	Color
Hex	87886C
RGB	135, 136, 108
RGB Percent	53%, 53%, 42%
CMY	0.4706, 0.4667, 0.5765
CMYK	0.01, 0.00, 0.21, 0.47
HSL	62°, 11%, 48%
HSV	62°, 21%, 53%
XYZ	21.5026, 23.8419, 17.6560
YIQ	132.5090, 8.3920, -8.9200

Conversions

Conversions Part 2

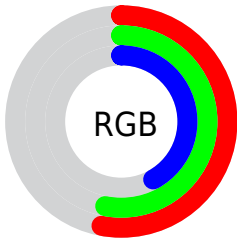
Format	Color
R_{YB}	108, 136, 109
Decimal	8882284
CIE _{Lab}	55.93, -5.38, 14.95
CIE _{LCh}	56, 15.891, 109.773
Yxy	23.8419, 0.3413, 0.3784
Android (android.graphics.Color)	4287072364 (0xFF87886C)
YUV	132.5090, -12.0829, 2.1846
Hunter-Lab	48.8282, -6.8427, 12.7408

Details

The XYZ color **21.5026, 23.8419, 17.6560** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **16.1141, 15.7545, 25.4855**, and the grayscale version is **22.1568, 23.3107, 25.3854**.

A 20% lighter version of the original color is **45.2818, 49.6246, 40.4496**, and **7.8897, 8.9131, 5.5795** is the 20% darker color. If you saturate the color by 10%, you get **20.7566, 23.5353, 14.1330**, and if you desaturate by 10%, it is **22.3632, 24.1960, 21.7748**.

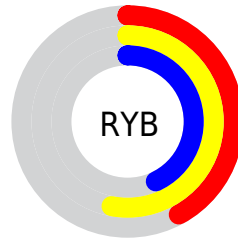
Distribution



Red (53%)

Green (53%)

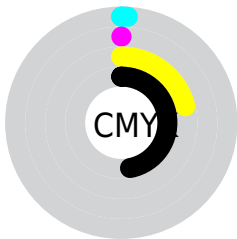
Blue (42%)



Red (42%)

Yellow (53%)

Blue (43%)

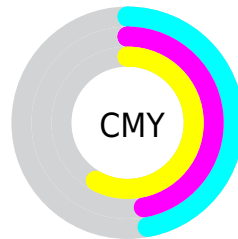


Cyan (1%)

Magenta (0%)

Yellow (21%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5026, 23.8419, 17.6560 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 21.5026, 23.8419, 17.6560 by changing the saturation by 10% instead.

■ 21.5026, 23.8419,
17.6560

■ 21.5026, 23.8419,
17.6560

252.6191,
272.0202, 251.0955

■ 13.6064, 15.2164,
10.5364

■ 45.4075, 49.7721,
40.2563

■ 7.9273, 8.9714,
5.6458

■ 62.1470, 67.8455,
56.5740

■ 4.0999, 4.7225,
2.5657

■ 82.5649, 89.8371,
76.7949

■ 1.7588, 2.0854,
0.8746

■ 107.0267,
116.1311, 101.3375

■ 0.4927, 0.6564,
0.0000

135.8976,
147.1121, 130.6204

■ 0.0000, 0.0000,
0.0000

169.5431,

183.1643, 165.0619

208.3285,
224.6722, 205.0808

■ 21.5026, 23.8419,
17.6560

■ 21.5026, 23.8419,
17.6560

■ 20.7566, 23.5353,
14.1330

■ 22.3632, 24.1960,
21.7748

■ 20.1181, 23.2709,
11.1768

■ 23.3413, 24.5964,
26.5136

■ 19.5820, 23.0475,
8.7583

■ 24.4422, 25.0459,
31.8972

■ 19.1422, 22.8626,
6.8450

■ 25.6703, 25.5463,
37.9483

■ 18.7919, 22.7137,
5.4012

■ 27.0296, 26.0993,
44.6889

■ 18.5234, 22.5974,
4.3863

■ 28.5242, 26.7064,
52.1396

■ 18.3278, 22.5104,
3.7530

■ 30.1577, 27.3692,
60.3205

■ 18.1852, 22.4451,
3.3739

■ 31.9339, 28.0890,
69.2507

■ 33.8563, 28.8674,
78.9485

Harmonies

Analogous

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



23.2853, 23.8419, 17.3257



21.5026, 23.8419, 17.6560



20.1035, 23.8419, 20.0338

Triad

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



21.5026, 23.8419, 17.6560



20.4844, 23.8419, 34.3482



26.2659, 23.8419, 27.7721

Complementary

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



21.5026, 23.8419, 17.6560



16.1141, 15.7545, 25.4855

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.



25.4267, 23.8419, 32.9523



21.5026, 23.8419, 17.6560



22.0480, 23.8419, 37.0705

Square

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



21.5026, 23.8419, 17.6560



19.5377, 23.8419, 29.4840



23.8603, 23.8419, 36.5282



26.1006, 23.8419, 22.7282

Rectangle

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



21.5026, 23.8419, 17.6560



19.5463, 23.8419, 22.6602



23.8603, 23.8419, 36.5282



26.0902, 23.8419, 29.5650

Sweetspot

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



21.5032, 23.8430, 17.6565



40.1507, 42.9423, 41.9577



18.3224, 17.2406, 16.5498



9.2770, 9.9362, 9.6130



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.



21.5032, 23.8430, 17.6565



37.2169, 41.7377, 27.9110



19.4063, 22.7620, 17.5584



5.4136, 5.8360, 5.3935



17.2125, 21.2433, 3.1932



0.1169, 0.1424, 0.0213

Inverse Universe

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



16.1141, 15.7545, 25.4855



25.8358, 24.6554, 44.4456



17.9661, 16.7093, 25.5721



4.7902, 4.9002, 6.2992



4.2655, 1.7131, 22.1515



0.0302, 0.0124, 0.1472

Previews

White Background



This preview shows how the XYZ color 21.5026, 23.8419, 17.6560 looks on a white background.

Color Contrast Check

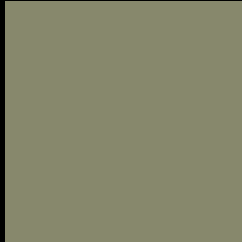
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5026, 23.8419, 17.6560 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

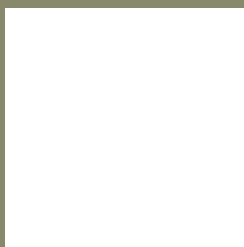
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5026, 23.8419, 17.6560

Background



This preview shows how black text looks on a background with the XYZ color 21.5026, 23.8419, 17.6560.

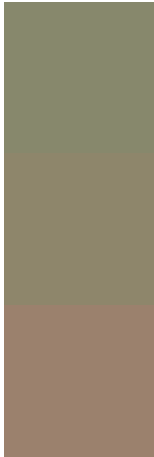


This preview shows how white text looks on a background with the XYZ color 21.5026, 23.8419,

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

21.5026, 23.8419, 17.6560

Protanopia

22.3343, 23.8625, 17.3387

Deuteranopia

24.1281, 23.7732, 17.7850



Tritanopia

23.8140, 23.7610, 28.9224

Trichromacy



Original Color

21.5026, 23.8419, 17.6560

Protanomaly

21.9653, 23.8785, 17.3612

Deuteranomaly

23.2243, 23.9026, 17.8576

Tritanomaly

22.8980, 23.7900, 24.5042

Monochromacy



Original Color

21.5026, 23.8419, 17.6560

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

21.9947, 23.5738, 22.4597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5026, 23.8419, 17.6560 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, 136, 108)` looks like.

```
.text, #text, p{  
    color:rgb(135, 136, 108)  
}
```

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, 136, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 136, 108) }
```

Border

The CSS property to change the border of an element to XYZ 21.5026, 23.8419, 17.6560 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, 136, 108) }
```


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

```
.border{ border-color:rgb(135, 136, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 136, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 136, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 136, 108);  
box-shadow:4px 4px 4px 4px rgb(135, 136,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5026, 23.8419, 17.6560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 136, 108) }
```

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

```
.background{ background-color: rgb(135,  
136, 108) }
```

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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