

Converting Colors

XYZ(21.2377, 23.8212, 19.6798)

Have a look what the booklet for
XYZ(21.2377, 23.8212, 19.6798)
contains.

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Color

**XYZ(21.2461, 23.8750,
19.7082)**

Conversions

Conversions Part 1

Format	Color
Hex	828973
RGB	130, 137, 115
RGB Percent	51%, 54%, 45%
CMY	0.4902, 0.4627, 0.5490
CMYK	0.05, 0.00, 0.16, 0.46
HSL	79°, 9%, 49%
HSV	79°, 16%, 54%
XYZ	21.2461, 23.8750, 19.7082
YIQ	132.3990, 2.8900, -8.3260

Conversions

Conversions Part 2

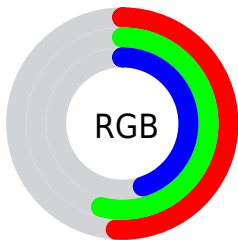
Format	Color
R_{YB}	115, 137, 122
Decimal	8554867
CIE _{Lab}	55.96, -6.74, 10.94
CIE _{LCh}	56, 12.847, 121.620
Yxy	23.8750, 0.3277, 0.3683
Android (android.graphics.Color)	4286744947 (0xFF828973)
YUV	132.3990, -8.5777, -2.1039
Hunter-Lab	48.8621, -7.8936, 10.2892

Details

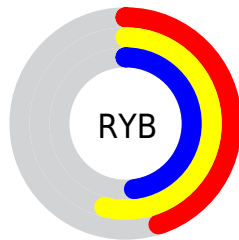
The XYZ color **21.2461, 23.8750, 19.7082** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.6731, 18.2059, 26.1982**, and the grayscale version is **22.1061, 23.2574, 25.3273**.

A 20% lighter version of the original color is **44.9169, 49.6842, 43.7819**, and **7.8147, 8.9710, 6.6299** is the 20% darker color. If you saturate the color by 10%, you get **19.8611, 23.2461, 15.8295**, and if you desaturate by 10%, it is **22.7780, 24.5675, 24.2065**.

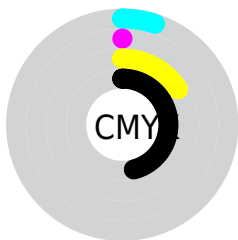
Distribution



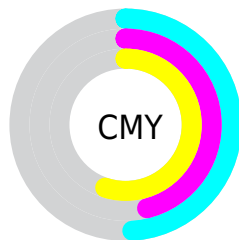
- Red (51%)
- Green (54%)
- Blue (45%)



- Red (45%)
- Yellow (54%)
- Blue (48%)



- Cyan (5%)
- Magenta (0%)
- Yellow (16%)
- Black (46%)



- Cyan (49%)
- Magenta (46%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2461, 23.8750, 19.7082 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 21.2461, 23.8750, 19.7082 by changing the saturation by 10% instead.

■ 21.2461, 23.8750,
19.7082

■ 21.2461, 23.8750,
19.7082

251.2905,
272.1879, 262.8828

■ 13.4175, 15.2409,
12.0011

■ 44.9850, 49.8261,
43.7799

■ 7.7956, 8.9886,
6.6219

■ 61.6259, 67.9120,
60.9817

■ 4.0152, 4.7338,
3.1520

■ 81.9350, 89.9172,
82.1854

■ 1.7107, 2.0919,
1.1727

106.2777,
116.2262, 107.8097

■ 0.4630, 0.6601,
0.0000

135.0192,
147.2234, 138.2730

■ 0.0000, 0.0000,
0.0000

168.5249,

183.2932, 173.9940

207.1603,
224.8199, 215.3910

■ 21.2461, 23.8750,
19.7082

■ 21.2461, 23.8750,
19.7082

■ 19.8611, 23.2461,
15.8295

■ 22.7780, 24.5675,
24.2065

■ 18.6154, 22.6755,
12.5416

■ 24.4600, 25.3225,
29.3482

■ 17.5040, 22.1617,
9.8160

■ 26.2976, 26.1431,
35.1580

■ 16.5203, 21.7021,
7.6209

■ 28.2955, 27.0313,
41.6586

■ 15.6575, 21.2941,
5.9216

■ 30.4581, 27.9887,
48.8718

■ 14.9078, 20.9343,
4.6791

■ 32.7897, 29.0173,
56.8182

■ 14.2623, 20.6192,
3.8487

■ 35.2944, 30.1185,
65.5180

■ 13.7070, 20.3432,
3.3592

■ 37.9762, 31.2941,
74.9901

■ 13.5006, 20.2403,
3.1952

■ 40.8388, 32.5456,
85.2531

Harmonies

Analogous

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



22.6128, 23.8750, 18.7308



21.2461, 23.8750, 19.7082



20.3011, 23.8750, 22.3435

Triad

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



21.2461, 23.8750, 19.7082



21.3785, 23.8750, 33.7671



25.6291, 23.8750, 25.7681

Complementary

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



21.2461, 23.8750, 19.7082



18.6731, 18.2059, 26.1982

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.



25.2646, 23.8750, 30.0259



21.2461, 23.8750, 19.7082



22.7723, 23.8750, 34.9317

Square

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



21.2461, 23.8750, 19.7082



20.3752, 23.8750, 30.4634



24.2030, 23.8750, 33.4959



25.1791, 23.8750, 21.9879

Rectangle

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



21.2461, 23.8750, 19.7082



20.0158, 23.8750, 24.8367



24.2030, 23.8750, 33.4959



25.5977, 23.8750, 27.1904

Sweetspot

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



21.2467, 23.8760, 19.7087



41.0632, 44.1168, 44.1709



20.3674, 20.4679, 19.0972



9.1710, 9.8775, 9.7891



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.



21.2467, 23.8760, 19.7087



37.1847, 42.3642, 32.8379



19.6533, 23.0546, 19.6341



5.2788, 5.7665, 5.3872



12.5878, 18.8592, 2.9767



0.0989, 0.1331, 0.0205

Inverse Universe

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



18.6731, 18.2059, 26.1982



31.7389, 30.3649, 46.5714



20.3146, 19.0521, 26.2750



4.9148, 4.9645, 6.3050



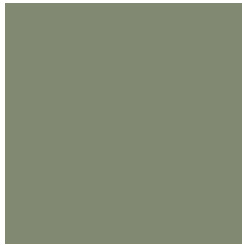
5.1693, 2.1790, 22.1938



0.0483, 0.0217, 0.1481

Previews

White Background



This preview shows how the XYZ color 21.2461, 23.8750, 19.7082 looks on a white background.

Color Contrast Check

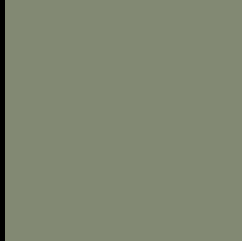
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2461, 23.8750, 19.7082 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

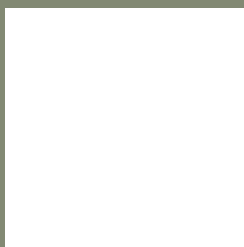
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2461, 23.8750, 19.7082

Background



This preview shows how black text looks on a background with the XYZ color 21.2461, 23.8750, 19.7082.



This preview shows how white text looks on a background with the XYZ color 21.2461, 23.8750,

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

21.2461, 23.8750, 19.7082

Protanopia

22.4902, 23.9052, 19.0516

Deuteranopia

24.1980, 23.7572, 20.1398



Tritanopia

23.2531, 23.8570, 29.7649

Trichromacy



Original Color

21.2461, 23.8750, 19.7082

Protanomaly

22.0178, 23.8612, 19.3648

Deuteranomaly

23.0807, 23.7832, 19.8971

Tritanomaly

22.4316, 23.7302, 25.5884

Monochromacy



Original Color

21.2461, 23.8750, 19.7082

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.6511, 23.3818, 23.1107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2461, 23.8750, 19.7082 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(130, 137, 115)` looks like.

```
.text, #text, p{  
    color:rgb(130, 137, 115)  
}
```

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(130, 137, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 137, 115) }
```

Border

The CSS property to change the border of an element to XYZ 21.2461, 23.8750, 19.7082 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(130, 137, 115) }
```


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

```
.border{ border-color:rgb(130, 137, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 137, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 137, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 137, 115);  
box-shadow:4px 4px 4px 4px rgb(130, 137,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2461, 23.8750, 19.7082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 137, 115) }
```

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

```
.background{ background-color: rgb(130,  
137, 115) }
```

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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