

Converting Colors

XYZ(21.7117, 24.2207, 21.6765)

Have a look what the booklet for
XYZ(21.7117, 24.2207, 21.6765)
contains.

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Color

**XYZ(21.7456, 24.3033,
21.6340)**

Conversions

Conversions Part 1

Format	Color
Hex	828A79
RGB	130, 138, 121
RGB Percent	51%, 54%, 47%
CMY	0.4902, 0.4588, 0.5255
CMYK	0.06, 0.00, 0.12, 0.46
HSL	88°, 7%, 51%
HSV	88°, 12%, 54%
XYZ	21.7456, 24.3033, 21.6340
YIQ	133.6700, 0.6890, -6.9830

Conversions

Conversions Part 2

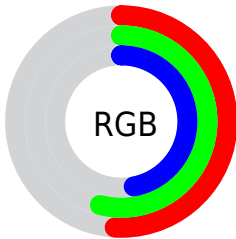
Format	Color
R_{YB}	121, 138, 129
Decimal	8555129
CIE Lab	56.39, -6.22, 8.11
CIE LCh	56, 10.217, 127.499
Yxy	24.3033, 0.3213, 0.3591
Android (android.graphics.Color)	4286745209 (0xFF828A79)
YUV	133.6700, -6.2463, -3.2186
Hunter-Lab	49.2984, -7.5355, 8.4902

Details

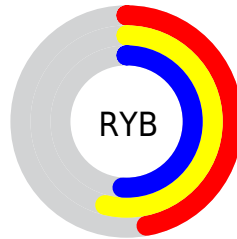
The XYZ color **21.7456, 24.3033, 21.6340** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.4790, 20.1775, 26.8614**, and the grayscale version is **22.5615, 23.7365, 25.8490**.

A 20% lighter version of the original color is **45.7021, 50.3460, 46.8442**, and **8.0528, 9.1967, 7.4816** is the 20% darker color. If you saturate the color by 10%, you get **19.9942, 23.4920, 17.4459**, and if you desaturate by 10%, it is **23.6823, 25.1975, 26.4638**.

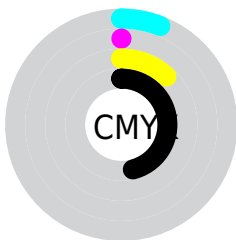
Distribution



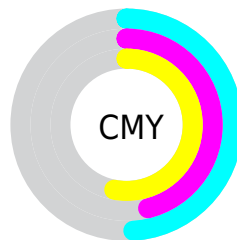
- Red (51%)
- Green (54%)
- Blue (47%)



- Red (47%)
- Yellow (54%)
- Blue (51%)



- Cyan (6%)
- Magenta (0%)
- Yellow (12%)
- Black (46%)



- Cyan (49%)
- Magenta (46%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7456, 24.3033, 21.6340 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 21.7456, 24.3033, 21.6340 by changing the saturation by 10% instead.

■ 21.7456, 24.3033,
21.6340

■ 21.7456, 24.3033,
21.6340

253.8723,
274.3503, 273.5198

■ 13.7856, 15.5588,
13.3925

■ 45.8072, 50.5247,
47.0347

■ 8.0524, 9.2125,
7.5655

■ 62.6395, 68.7703,
65.0310

■ 4.1806, 4.8800,
3.7344

■ 83.1600, 90.9518,
87.1160

■ 1.8048, 2.1770,
1.4808

107.7340,
117.4535, 113.7082

■ 0.5206, 0.7074,
0.2036

136.7268,
148.6598, 145.2261

■ 0.0000, 0.0000,
0.0000

170.5039,

184.9551, 182.0883

209.4306,
226.7238, 224.7134

■ 21.7456, 24.3033,
21.6340

■ 21.7456, 24.3033,
21.6340

■ 19.9942, 23.4920,
17.4459

■ 23.6823, 25.1975,
26.4638

■ 18.4199, 22.7580,
13.8710

■ 25.8083, 26.1741,
31.9592

■ 17.0167, 22.0993,
10.8809

■ 28.1300, 27.2364,
38.1446

■ 15.7775, 21.5131,
8.4442

■ 30.6525, 28.3868,
45.0430

■ 14.6944, 20.9961,
6.5269

■ 33.3813, 29.6274,
52.6760

■ 13.7591, 20.5447,
5.0909

■ 36.3212, 30.9604,
61.0646

■ 12.9619, 20.1550,
4.0932

■ 39.4769, 32.3876,
70.2287

■ 12.2919, 19.8224,
3.4828

■ 42.8532, 33.9112,
80.1876

■ 11.8402, 19.5963,
3.1584

■ 46.4545, 35.5331,
90.9598

Harmonies

Analogous

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



22.8047, 24.3033, 20.5279



21.7456, 24.3033, 21.6340



21.0660, 24.3033, 24.0522

Triad

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



21.7456, 24.3033, 21.6340



22.2420, 24.3033, 32.9315



25.4231, 24.3033, 25.6231

Complementary

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



21.7456, 24.3033, 21.6340



20.4790, 20.1775, 26.8614

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.



25.2600, 24.3033, 29.0279



21.7456, 24.3033, 21.6340



23.3970, 24.3033, 33.4422

Square

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



21.7456, 24.3033, 21.6340



21.3457, 24.3033, 30.6185



24.5086, 24.3033, 31.9600



24.9470, 24.3033, 22.7001

Rectangle

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



21.7456, 24.3033, 21.6340



20.9060, 24.3033, 26.1796



24.5086, 24.3033, 31.9600



25.4415, 24.3033, 26.7468

Sweetspot

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



21.7463, 24.3044, 21.6345



41.1156, 44.1242, 45.0580



21.7748, 22.4676, 21.2785



9.1689, 9.8724, 9.9724



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.



21.7463, 24.3044, 21.6345



37.3694, 42.3940, 35.8011



20.5052, 23.6646, 21.5764



5.2080, 5.7300, 5.3839



10.8722, 17.9748, 2.8965



0.0891, 0.1281, 0.0200

Inverse Universe

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



20.4790, 20.1775, 26.8614



34.6474, 33.5292, 47.0288



21.8135, 20.8654, 26.9238



4.9839, 5.0001, 6.3083



6.2186, 2.7200, 22.2429



0.0580, 0.0267, 0.1485

Previews

White Background



This preview shows how the XYZ color 21.7456, 24.3033, 21.6340 looks on a white background.

Color Contrast Check

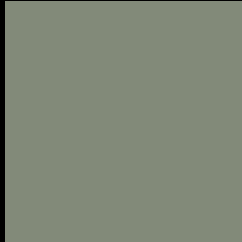
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7456, 24.3033, 21.6340 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

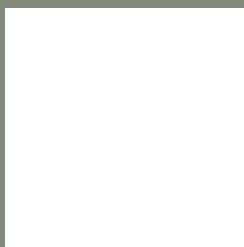
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7456, 24.3033, 21.6340

Background



This preview shows how black text looks on a background with the XYZ color 21.7456, 24.3033, 21.6340.



This preview shows how white text looks on a background with the XYZ color 21.7456, 24.3033,

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

21.7456, 24.3033, 21.6340

Protanopia

22.9783, 24.3226, 20.9364

Deuteranopia

24.6947, 24.1676, 22.1022



Tritanopia

23.6063, 24.4406, 30.2614

Trichromacy



Original Color

21.7456, 24.3033, 21.6340

Protanomaly

22.5109, 24.2827, 21.2699

Deuteranomaly

23.5774, 24.1999, 21.8407

Tritanomaly

22.9210, 24.3724, 26.7888

Monochromacy



Original Color

21.7456, 24.3033, 21.6340

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.2993, 23.8995, 24.2066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7456, 24.3033, 21.6340 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, 138, 121)` looks like.

```
.text, #text, p{  
    color:rgb(130, 138, 121)  
}
```

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, 138, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 138, 121) }
```

Border

The CSS property to change the border of an element to XYZ 21.7456, 24.3033, 21.6340 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, 138, 121) }
```


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

```
.border{ border-color:rgb(130, 138, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 138, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 138, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 138, 121);  
box-shadow:4px 4px 4px 4px rgb(130, 138,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7456, 24.3033, 21.6340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 138, 121) }
```

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

```
.background{ background-color: rgb(130,  
138, 121) }
```

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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