

Converting Colors

XYZ(21.8556, 24.5638, 7.4008)

Have a look what the booklet for
XYZ(21.8556, 24.5638, 7.4008)
contains.

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Color

**XYZ(21.7168, 24.3898,
7.4340)**

Conversions

Conversions Part 1

Format	Color
Hex	938939
RGB	147, 137, 57
RGB Percent	58%, 54%, 22%
CMY	0.4235, 0.4627, 0.7765
CMYK	0.00, 0.07, 0.61, 0.42
HSL	53°, 44%, 40%
HSV	53°, 61%, 58%
XYZ	21.7168, 24.3898, 7.4340
YIQ	130.8700, 31.6400, -22.7600

Conversions

Conversions Part 2

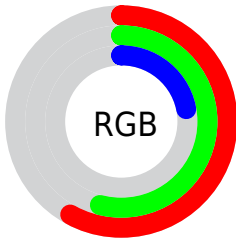
Format	Color
RYB	68, 147, 57
Decimal	9668921
CIELab	56.48, -6.72, 43.22
CIELCh	56, 43.736, 98.844
Yxy	24.3898, 0.4056, 0.4555
Android (android.graphics.Color)	4287859001 (0xFF938939)
YUV	130.8700, -36.4179, 14.1460
Hunter-Lab	49.3860, -7.9327, 25.6454

Details

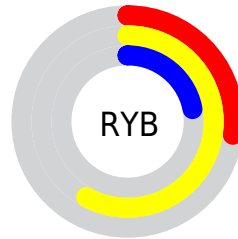
The XYZ color **21.7168, 24.3898, 7.4340** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **8.9609, 6.9905, 28.4806**, and the grayscale version is **21.6455, 22.7728, 24.7995**.

A 20% lighter version of the original color is **45.6959, 50.5850, 21.2654**, and **8.0407, 9.2026, 1.4386** is the 20% darker color. If you saturate the color by 10%, you get **21.1718, 23.8042, 5.6978**, and if you desaturate by 10%, it is **22.3727, 25.0272, 9.7317**.

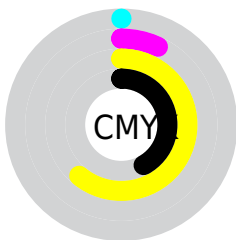
Distribution



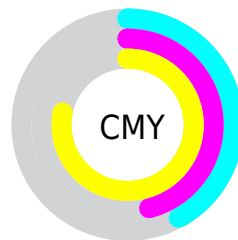
- Red (58%)
- Green (54%)
- Blue (22%)



- Red (27%)
- Yellow (58%)
- Blue (22%)



- Cyan (0%)
- Magenta (7%)
- Yellow (61%)
- Black (42%)



- Cyan (42%)
- Magenta (46%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7168, 24.3898, 7.4340 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 21.7168, 24.3898, 7.4340 by changing the saturation by 10% instead.

■ 21.7168, 24.3898,
7.4340

■ 21.7168, 24.3898,
7.4340

253.7240,
274.7853, 180.9882

■ 13.7644, 15.6230,
3.6524

■ 45.7598, 50.6656,
21.3687

■ 8.0376, 9.2578,
1.4367

■ 62.5812, 68.9433,
32.3589

■ 4.1710, 4.9097,
0.1701

■ 83.0895, 91.1602,
46.5891

■ 1.7993, 2.1944,
0.0000

■ 107.6502,
117.7006, 64.4777

■ 0.5173, 0.7169,
0.0000

■ 136.6287,
148.9489, 86.4434

■ 0.0000, 0.0000,
0.0000

■ 170.3902,

185.2896, 112.9047

209.3002,
227.1069, 144.2801

■ 21.7168, 24.3898,
7.4340

■ 21.7168, 24.3898,
7.4340

■ 21.1718, 23.8042,
5.6978

■ 22.3727, 25.0272,
9.7317

■ 20.7265, 23.2631,
4.4716

■ 23.1460, 25.7164,
12.6331

■ 20.3702, 22.7632,
3.6976

■ 24.0450, 26.4615,
16.1785

■ 20.1050, 22.3480,
3.2539

■ 25.0763, 27.2652,
20.4038

■ 26.2466, 28.1302,
25.3426

■ 27.5616, 29.0588,
31.0261

■ 29.0270, 30.0534,
37.4838

■ 30.6481, 31.1160,
44.7435

■ 32.4299, 32.2487,
52.8315

Harmonies

Analogous

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



26.8762, 24.3898, 8.1162



21.7168, 24.3898, 7.4340



17.5956, 24.3898, 10.2209

Triad

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



21.7168, 24.3898, 7.4340



16.3954, 24.3898, 48.1657



33.4991, 24.3898, 37.9446

Complementary

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



21.7168, 24.3898, 7.4340



8.9609, 6.9905, 28.4806

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.



29.8404, 24.3898, 54.7322



21.7168, 24.3898, 7.4340



19.8424, 24.3898, 61.9731

Square

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



21.7168, 24.3898, 7.4340



14.8307, 24.3898, 31.0784



24.7112, 24.3898, 64.7362



34.1946, 24.3898, 22.4957

Rectangle

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



21.7168, 24.3898, 7.4340



15.8081, 24.3898, 14.5846



24.7112, 24.3898, 64.7362



32.5519, 24.3898, 43.7526

Sweetspot

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



21.7174, 24.3909, 7.4345



45.4806, 49.2591, 38.9309



14.5240, 9.5408, 6.4656



10.2593, 11.1523, 8.3734



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.7174, 24.3909, 7.4345



37.6357, 42.3039, 9.3880



17.9182, 24.6404, 7.6829



6.2110, 6.6358, 6.1939



17.4412, 19.3969, 2.8247



0.2261, 0.2627, 0.0388

Inverse Universe

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



8.9609, 6.9905, 28.4806



12.8448, 8.5245, 50.4030



11.0936, 7.2828, 28.4246



5.5483, 5.7306, 7.2834



4.7407, 2.1763, 24.1012



0.0682, 0.0469, 0.2984

Previews

White Background



This preview shows how the XYZ color 21.7168, 24.3898, 7.4340 looks on a white background.

Color Contrast Check

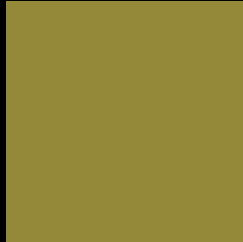
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7168, 24.3898, 7.4340 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 21.7168, 24.3898, 7.4340

Background



This preview shows how black text looks on a background with the XYZ color 21.7168, 24.3898, 7.4340.



This preview shows how white text looks on a background with the XYZ color 21.7168, 24.3898,

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

21.7168, 24.3898, 7.4340

Protanopia

22.3052, 24.4830, 7.4210

Deuteranopia

24.7881, 24.3411, 7.5295



Tritanopia

25.8369, 24.4346, 27.7807

Trichromacy



Original Color

21.7168, 24.3898, 7.4340

Protanomaly

22.1204, 24.3878, 7.4123

Deuteranomaly

23.5122, 24.2816, 7.4506

Tritanomaly

23.7741, 24.1860, 17.8833

Monochromacy



Original Color

21.7168, 24.3898, 7.4340

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.2027, 23.0929, 16.4366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7168, 24.3898, 7.4340 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(147, 137, 57)` looks like.

```
.text, #text, p{  
    color:rgb(147, 137, 57)  
}
```

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(147, 137, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 137, 57) }
```

Border

The CSS property to change the border of an element to XYZ 21.7168, 24.3898, 7.4340 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(147, 137, 57) }
```


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

```
.border{ border-color:rgb(147, 137, 57) }
```

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

Here you see how a box with a 4 pixel rgb(147, 137, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 137, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 137, 57);  
box-shadow:4px 4px 4px 4px rgb(147, 137,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7168, 24.3898, 7.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 137, 57) }
```

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

```
.background{ background-color: rgb(147,  
137, 57) }
```

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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