

Converting Colors

XYZ(21.6508, 22.0489, 4.7423)

Have a look what the booklet for
XYZ(21.6508, 22.0489, 4.7423)
contains.

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Color

**XYZ(21.5416, 21.9567,
4.6928)**

Conversions

Conversions Part 1

Format	Color
Hex	9D7D23
RGB	157, 125, 35
RGB Percent	62%, 49%, 14%
CMY	0.3843, 0.5098, 0.8627
CMYK	0.00, 0.20, 0.78, 0.38
HSL	44°, 64%, 38%
HSV	44°, 78%, 62%
XYZ	21.5416, 21.9567, 4.6928
YIQ	124.3080, 47.9620, -21.2060

Conversions

Conversions Part 2

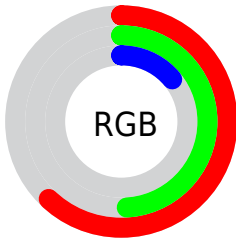
Format	Color
RYB	78, 157, 35
Decimal	10321187
CIELab	53.98, 3.21, 50.54
CIELCh	54, 50.637, 86.371
Yxy	21.9567, 0.4470, 0.4556
Android (android.graphics.Color)	4288511267 (0xFF9D7D23)
YUV	124.3080, -44.0288, 28.6709
Hunter-Lab	46.8580, 0.0588, 26.8627

Details

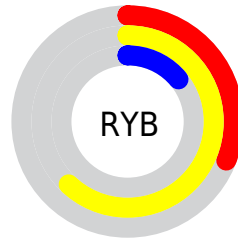
The XYZ color **21.5416, 21.9567, 4.6928** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.7860, 6.8057, 32.7485**, and the grayscale version is **19.3929, 20.4028, 22.2187**.

A 20% lighter version of the original color is **45.4668, 46.5795, 15.6112**, and **8.1334, 8.1325, 1.1411** is the 20% darker color. If you saturate the color by 10%, you get **20.8483, 20.8634, 3.5580**, and if you desaturate by 10%, it is **22.3618, 23.1371, 6.3851**.

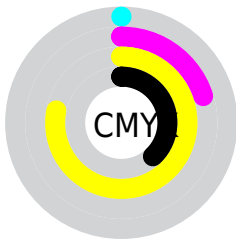
Distribution



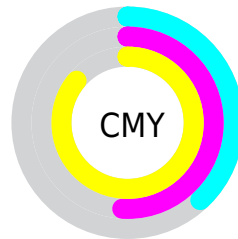
- Red (62%)
- Green (49%)
- Blue (14%)



- Red (31%)
- Yellow (62%)
- Blue (14%)



- Cyan (0%)
- Magenta (20%)
- Yellow (78%)
- Black (38%)





- Cyan (38%)
- Magenta (51%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.5416, 21.9567, 4.6928 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 21.5416, 21.9567, 4.6928 by changing the saturation by 10% instead.


 21.5416, 21.9567,
4.6928


 21.5416, 21.9567,
4.6928


252.8206,
262.3201, 155.6399


 13.6352, 13.8251,
2.0126


 45.4717, 46.6744,
15.5784


 7.9474, 7.9991,
0.5630


 62.2261, 64.0293,
24.6210

 4.1128, 4.0944,
0.0000

 82.6605, 85.2274,
36.6213

 1.7662, 1.7265,
0.0000

 107.1403,
110.6532, 51.9981

 0.4971, 0.4407,
0.0000

 136.0309,
140.6909, 71.1698

 0.0000, 0.0000,
0.0000

 169.6975,

175.7250, 94.5550

208.5056,
216.1400, 122.5722

■ 21.5416, 21.9567,
4.6928

■ 21.5416, 21.9567,
4.6928

■ 20.8483, 20.8634,
3.5580

■ 22.3618, 23.1371,
6.3851

■ 20.2587, 19.8449,
2.8662

■ 23.3201, 24.4069,
8.6987

■ 20.1297, 19.6184,
2.7258

■ 24.4279, 25.7718,
11.6901

■ 25.6948, 27.2361,
15.4093

■ 27.1296, 28.8038,
19.9014

■ 28.7405, 30.4784,
25.2077

■ 30.5349, 32.2634,
31.3668

■ 32.5199, 34.1620,
38.4147

■ 34.7022, 36.1770,
46.3852

Harmonies

Analogous

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



27.2477, 21.9567, 6.5826



21.5416, 21.9567, 4.6928



16.5404, 21.9567, 5.8086

Triad

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



21.5416, 21.9567, 4.6928



12.7982, 21.9567, 39.9236



30.9003, 21.9567, 44.7515

Complementary

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



21.5416, 21.9567, 4.6928



8.7860, 6.8057, 32.7485

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.



25.8941, 21.9567, 62.2852



21.5416, 21.9567, 4.6928



15.5730, 21.9567, 58.7467

Square

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



21.5416, 21.9567, 4.6928



12.0395, 21.9567, 22.0519



20.2109, 21.9567, 68.2842



33.2134, 21.9567, 25.8636

Rectangle

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



21.5416, 21.9567, 4.6928



14.1488, 21.9567, 8.5721



20.2109, 21.9567, 68.2842



29.4382, 21.9567, 51.2700

Sweetspot

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



21.5421, 21.9578, 4.6932



49.7772, 52.8398, 39.5097



15.5349, 8.7820, 6.2711



10.7449, 11.4081, 8.0157



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



21.5421, 21.9578, 4.6932



36.5789, 36.0616, 5.4582



21.3428, 28.8658, 6.0371



7.0229, 7.4257, 7.0488



16.3803, 15.9962, 2.2242



0.3249, 0.3501, 0.0504

Inverse Universe

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



8.7860, 6.8057, 32.7485



12.9200, 8.1261, 58.0143



8.7668, 4.7088, 32.3448



6.4192, 6.7041, 8.3624



5.6185, 3.3285, 26.2536



0.1319, 0.1225, 0.4799

Previews

White Background



This preview shows how the XYZ color 21.5416, 21.9567, 4.6928 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 21.5416, 21.9567, 4.6928 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 21.5416, 21.9567, 4.6928

Background



This preview shows how black text looks on a background with the XYZ color 21.5416, 21.9567, 4.6928.



This preview shows how white text looks on a background with the XYZ color 21.5416, 21.9567,

4.6928.

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

21.5416, 21.9567, 4.6928

Protanopia

19.9781, 22.1124, 4.8842

Deuteranopia

22.3017, 21.9747, 4.7352



Tritanopia

25.2314, 22.0155, 22.6582

Trichromacy



Original Color

21.5416, 21.9567, 4.6928

Protanomaly

20.4320, 21.9553, 4.8300

Deuteranomaly

22.0233, 22.0163, 4.7579

Tritanomaly

23.3902, 21.8003, 13.3310

Monochromacy



Original Color

21.5416, 21.9567, 4.6928

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.2928, 20.4223, 13.0503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5416, 21.9567, 4.6928 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(157, 125, 35)` looks like.

```
.text, #text, p{  
    color:rgb(157, 125, 35)  
}
```

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(157, 125, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 125, 35) }
```

Border

The CSS property to change the border of an element to XYZ 21.5416, 21.9567, 4.6928 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(157, 125, 35) }
```


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

```
.border{ border-color:rgb(157, 125, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 125, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 125, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 125, 35);  
box-shadow:4px 4px 4px 4px rgb(157, 125,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5416, 21.9567, 4.6928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 125, 35) }
```

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

```
.background{ background-color: rgb(157,  
125, 35) }
```

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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