

Converting Colors

XYZ(21.5033, 22.3644, 3.1834)

Have a look what the booklet for
XYZ(21.5033, 22.3644, 3.1834)
contains.

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Color

**XYZ(21.4940, 22.3468,
3.1805)**

Conversions

Conversions Part 1

Format	Color
Hex	9D7F00
RGB	157, 127, 0
RGB Percent	62%, 50%, 0%
CMY	0.3843, 0.5019, 1.0000
CMYK	0.00, 0.19, 1.00, 0.38
HSL	49°, 100%, 31%
HSV	49°, 100%, 62%
XYZ	21.4940, 22.3468, 3.1805
YIQ	121.4920, 58.6470, -33.1370

Conversions

Conversions Part 2

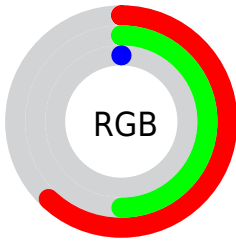
Format	Color
R _Y B	37, 157, 0
Decimal	10321664
CIE Lab	54.39, 1.20, 59.77
CIE LCh	54, 59.785, 88.845
Yxy	22.3468, 0.4571, 0.4752
Android (android.graphics.Color)	4288511744 (0xFF9D7F00)
YUV	121.4920, -59.8956, 31.1405
Hunter-Lab	47.2724, -1.5656, 29.1016

Details

The XYZ color **21.4940, 22.3468, 3.1805** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **6.5502, 3.3631, 32.2020**, and the grayscale version is **18.5093, 19.4732, 21.2063**.

A 20% lighter version of the original color is **45.4521, 47.2444, 12.0337**, and **8.0912, 8.2155, 1.1593** is the 20% darker color. If you saturate the color by 10%, you get **21.4942, 22.3475, 3.1806**, and if you desaturate by 10%, it is **21.9791, 23.1709, 3.7929**.

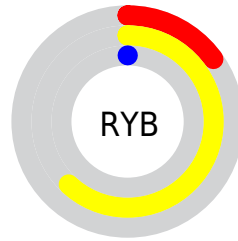
Distribution



Red (62%)

Green (50%)

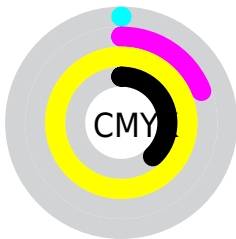
Blue (0%)



Red (15%)

Yellow (62%)

Blue (0%)

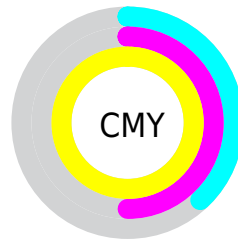


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (50%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4940, 22.3468, 3.1805 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 21.4940, 22.3468, 3.1805 by changing the saturation by 10% instead.

■ 21.4940, 22.3468,
3.1805

■ 21.4940, 22.3468,
3.1805

252.5746,
264.3520, 138.6274

■ 13.6001, 14.1119,
1.1875

■ 45.3934, 47.3185,
12.0707

■ 7.9229, 8.1986,
0.0000

■ 62.1295, 64.8242,
19.8050

■ 4.0970, 4.2223,
0.0000

■ 82.5438, 86.1889,
30.2901

■ 1.7572, 1.7987,
0.0000

■ 107.0016,
111.7970, 43.9446

■ 0.4917, 0.4863,
0.0000

■ 135.8682,
142.0330, 61.1870

■ 0.0000, 0.0000,
0.0000

■ 169.5090,

177.2813, 82.4360

208.2894,
217.9261, 108.1099

21.4940, 22.3468,
3.1805

21.4940, 22.3468,
3.1805

21.4942, 22.3475,
3.1806

21.9791, 23.1709,
3.7929

22.5453, 24.0452,
4.7776

23.2244, 24.9834,
6.2990

24.0294, 25.9909,
8.4248

24.9714, 27.0722,
11.2130

■ 26.0600, 28.2315,
14.7144

■ 27.3042, 29.4723,
18.9753

■ 28.7121, 30.7981,
24.0377

■ 30.2911, 32.2120,
29.9407

Harmonies

Analogous

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



28.4201, 22.3468, 4.7095



21.4940, 22.3468, 3.1805



15.7403, 22.3468, 4.4711

Triad

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



21.4940, 22.3468, 3.1805



12.0314, 22.3468, 46.1285



33.8980, 22.3468, 48.0779

Complementary

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



21.4940, 22.3468, 3.1805



6.5502, 3.3631, 32.2020

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.



27.8912, 22.3468, 71.3721



21.4940, 22.3468, 3.1805



15.3841, 22.3468, 69.8975

Square

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



21.4940, 22.3468, 3.1805



10.9977, 22.3468, 23.6144



20.9879, 22.3468, 80.8936



36.4279, 22.3468, 25.0637

Rectangle

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



21.4940, 22.3468, 3.1805



13.1198, 22.3468, 7.5107



20.9879, 22.3468, 80.8936



32.1651, 22.3468, 56.4952

Sweetspot

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



21.4945, 22.3479, 3.1809



48.7617, 52.6487, 33.4994



14.1574, 7.2693, 1.9815



10.5325, 11.3912, 6.6873



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.



21.4945, 22.3479, 3.1809



38.3611, 39.7559, 5.6518



18.4752, 27.4225, 4.3196



7.0624, 7.5048, 7.0620



17.4828, 18.2013, 2.5918



0.3380, 0.3763, 0.0548

Inverse Universe

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



6.5502, 3.3631, 32.2020



11.6239, 5.8092, 57.6354



7.2630, 3.0413, 32.1023



6.3822, 6.6302, 8.3501



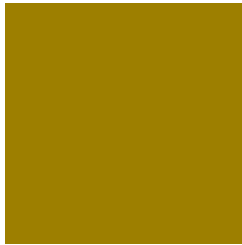
5.3413, 2.7741, 26.1612



0.1201, 0.0988, 0.4760

Previews

White Background



This preview shows how the XYZ color 21.4940, 22.3468, 3.1805 looks on a white background.

Color Contrast Check

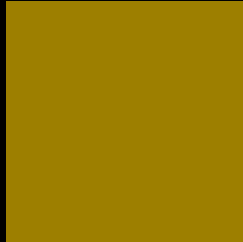
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4940, 22.3468, 3.1805 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 21.4940, 22.3468, 3.1805

Background



This preview shows how black text looks on a background with the XYZ color 21.4940, 22.3468, 3.1805.



This preview shows how white text looks on a background with the XYZ color 21.4940, 22.3468,

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

21.4940, 22.3468, 3.1805

Protanopia

20.1873, 22.4510, 3.4705

Deuteranopia

22.7911, 22.4412, 3.4782



Tritanopia

25.6190, 22.3817, 23.0485

Trichromacy



Original Color

21.4940, 22.3468, 3.1805

Protanomaly

20.7670, 22.5533, 3.3736

Deuteranomaly

22.2777, 22.3661, 3.3727

Tritanomaly

23.0205, 21.8459, 10.7879

Monochromacy



Original Color

21.4940, 22.3468, 3.1805

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.2540, 19.7701, 9.8751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4940, 22.3468, 3.1805 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, 127, 0)` looks like.

```
.text, #text, p{  
    color:rgb(157, 127, 0)  
}
```

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, 127, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 127, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.4940, 22.3468, 3.1805 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, 127, 0) }
```


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

```
.border{ border-color:rgb(157, 127, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 127, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 127, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 127, 0);  
box-shadow:4px 4px 4px 4px rgb(157, 127,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4940, 22.3468, 3.1805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 127, 0) }
```

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

```
.background{ background-color: rgb(157,  
127, 0) }
```

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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