

Converting Colors

XYZ(21.6127, 24.0022, 3.4937)

Have a look what the booklet for
XYZ(21.6127, 24.0022, 3.4937)
contains.

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Color

**XYZ(21.6129, 24.0033,
3.4940)**

Conversions

Conversions Part 1

Format	Color
Hex	988700
RGB	152, 135, 0
RGB Percent	60%, 53%, 0%
CMY	0.4039, 0.4706, 1.0000
CMYK	0.00, 0.11, 1.00, 0.40
HSL	53°, 100%, 30%
HSV	53°, 100%, 60%
XYZ	21.6129, 24.0033, 3.4940
YIQ	124.6930, 53.4670, -38.3810

Conversions

Conversions Part 2

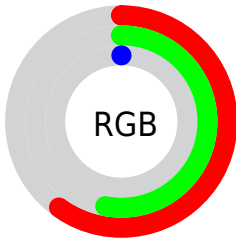
Format	Color
R_{YB}	19, 152, 0
Decimal	9996032
CIE Lab	56.09, -5.55, 60.74
CIE LCh	56, 60.993, 95.224
Yxy	24.0033, 0.4401, 0.4888
Android (android.graphics.Color)	4288186112 (0xFF988700)
YUV	124.6930, -61.4736, 23.9482
Hunter-Lab	48.9932, -6.9943, 30.0669

Details

The XYZ color **21.6129, 24.0033, 3.4940** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.8682, 2.6682, 29.9114**, and the grayscale version is **19.5781, 20.5977, 22.4309**.

A 20% lighter version of the original color is **45.6357, 50.0977, 12.8948**, and **8.2576, 9.1970, 1.3400** is the 20% darker color. If you saturate the color by 10%, you get **21.6132, 24.0041, 3.4941**, and if you desaturate by 10%, it is **21.9402, 24.5177, 4.0359**.

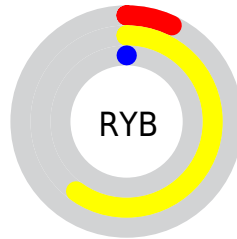
Distribution



Red (60%)

Green (53%)

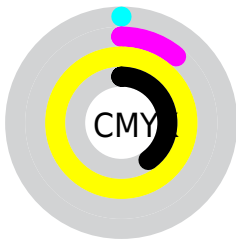
Blue (0%)



Red (7%)

Yellow (60%)

Blue (0%)

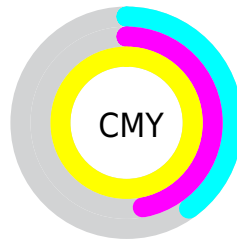


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6129, 24.0033, 3.4940 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 21.6129, 24.0033, 3.4940 by changing the saturation by 10% instead.

■ 21.6129, 24.0033,
3.4940

■ 21.6129, 24.0033,
3.4940

253.1886,
272.8372, 142.4232

■ 13.6877, 15.3361,
1.3521

■ 45.5890, 50.0356,
12.8249

■ 7.9841, 9.0556,
0.1039

■ 62.3707, 68.1694,
20.8509

■ 4.1365, 4.7775,
0.0000

■ 82.8352, 90.2276,
31.6753

■ 1.7796, 2.1173,
0.0000

■ 107.3480,
116.5945, 45.7168


■ 0.5053, 0.6743,
0.0000


■ 136.2743,
147.6545, 63.3938


■ 0.0000, 0.0000,
0.0000


■ 169.9797,


183.7920, 85.1248


 208.8293,
225.3914, 111.3284


 21.6129, 24.0033,
3.4940


 21.6129, 24.0033,
3.4940


 21.6132, 24.0041,
3.4941

 21.9402, 24.5177,
4.0359

 22.3349, 25.0641,
4.9167

 22.8275, 25.6559,
6.2936

 23.4297, 26.2976,
8.2292

 24.1518, 26.9935,
10.7767

■ 25.0026, 27.7470,
13.9831

■ 25.9902, 28.5615,
17.8910

■ 27.1221, 29.4399,
22.5391

■ 28.4051, 30.3851,
27.9635

Harmonies

Analogous

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



28.9201, 24.0033, 4.4548



21.6129, 24.0033, 3.4940



15.9099, 24.0033, 5.6209

Triad

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



21.6129, 24.0033, 3.4940



13.5055, 24.0033, 55.2006



37.3153, 24.0033, 45.8022

Complementary

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



21.6129, 24.0033, 3.4940



5.8682, 2.6682, 29.9114

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.



31.4734, 24.0033, 71.8487



21.6129, 24.0033, 3.4940



17.6349, 24.0033, 78.9453

Square

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



21.6129, 24.0033, 3.4940



11.8805, 24.0033, 29.7977



24.0597, 24.0033, 86.2245



38.9785, 24.0033, 22.7864

Rectangle

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



21.6129, 24.0033, 3.4940



13.4630, 24.0033, 9.7597



24.0597, 24.0033, 86.2245



35.7240, 24.0033, 54.7955

Sweetspot

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



21.6134, 24.0045, 3.4945



45.7656, 50.3261, 31.1364



13.0561, 6.7184, 1.1700



10.2429, 11.3093, 6.4412



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.6134, 24.0045, 3.4945



38.0683, 42.2072, 6.1404



15.8175, 24.8223, 3.9578



6.6499, 7.1049, 6.6267



18.1363, 20.1550, 2.9344



0.2857, 0.3305, 0.0487

Inverse Universe

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



5.8682, 2.6682, 29.9114



10.2898, 4.5736, 52.7741



7.4284, 3.1750, 29.9270



5.9374, 6.1321, 7.7996



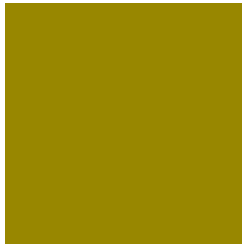
4.9327, 2.2621, 25.0843



0.0865, 0.0594, 0.3793

Previews

White Background



This preview shows how the XYZ color 21.6129, 24.0033, 3.4940 looks on a white background.

Color Contrast Check

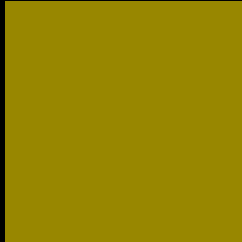
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6129, 24.0033, 3.4940 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 21.6129, 24.0033, 3.4940

Background



This preview shows how black text looks on a background with the XYZ color 21.6129, 24.0033, 3.4940.



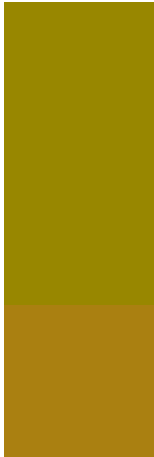
This preview shows how white text looks on a background with the XYZ color 21.6129, 24.0033,

3.4940.

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

21.6129, 24.0033, 3.4940

Protanopia

21.6129, 24.0033, 3.4940

Deuteranopia

24.3979, 24.0249, 3.8817



Tritanopia

26.2040, 23.8901, 26.1518

Trichromacy



Original Color

21.6129, 24.0033, 3.4940

Protanomaly

21.6129, 24.0033, 3.4940

Deuteranomaly

23.2810, 24.0433, 3.7304

Tritanomaly

23.4346, 23.5405, 12.1127

Monochromacy



Original Color

21.6129, 24.0033, 3.4940

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.2899, 21.4306, 10.7092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6129, 24.0033, 3.4940 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(152, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 135, 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(152, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 135, 0) }
```

Border

The CSS property to change the border of an element to XYZ 21.6129, 24.0033, 3.4940 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(152, 135, 0) }
```


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

```
.border{ border-color:rgb(152, 135, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 135, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 135,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6129, 24.0033, 3.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 135, 0) }
```

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

```
.background{ background-color: rgb(152,  
135, 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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