

Converting Colors

XYZ(21.7234, 22.0053, 9.4584)

Have a look what the booklet for
XYZ(21.7234, 22.0053, 9.4584)
contains.

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Color

**XYZ(21.6731, 21.9206,
9.3921)**

Conversions

Conversions Part 1

Format	Color
Hex	997D49
RGB	153, 125, 73
RGB Percent	60%, 49%, 29%
CMY	0.4000, 0.5098, 0.7137
CMYK	0.00, 0.18, 0.52, 0.40
HSL	39°, 35%, 44%
HSV	39°, 52%, 60%
XYZ	21.6731, 21.9206, 9.3921
YIQ	127.4440, 33.3800, -10.2360

Conversions

Conversions Part 2

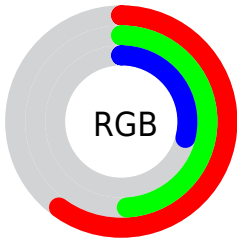
Format	Color
R_YB	116, 153, 73
Decimal	10059081
CIE _{Lab}	53.94, 3.99, 32.22
CIE _{LCh}	54, 32.468, 82.941
Yxy	21.9206, 0.4090, 0.4137
Android (android.graphics.Color)	4288249161 (0xFF997D49)
YUV	127.4440, -26.8409, 22.4126
Hunter-Lab	46.8194, 0.6951, 20.8799

Details

The XYZ color **21.6731, 21.9206, 9.3921** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.1509, 13.0232, 31.9575**, and the grayscale version is **20.4077, 21.4704, 23.3813**.

A 20% lighter version of the original color is **45.5918, 46.4297, 25.2978**, and **8.0378, 7.9573, 2.1492** is the 20% darker color. If you saturate the color by 10%, you get **20.5674, 20.4236, 6.8214**, and if you desaturate by 10%, it is **22.9412, 23.5427, 12.6332**.

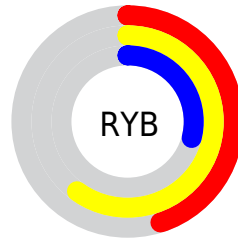
Distribution



Red (60%)

Green (49%)

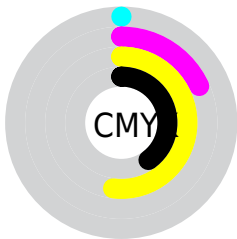
Blue (29%)



Red (45%)

Yellow (60%)

Blue (29%)

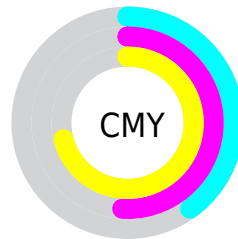


Cyan (0%)

Magenta (18%)

Yellow (52%)

Black (40%)



Cyan (40%)

Magenta (51%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6731, 21.9206, 9.3921 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 21.6731, 21.9206, 9.3921 by changing the saturation by 10% instead.

■ 21.6731, 21.9206,
9.3921

■ 21.6731, 21.9206,
9.3921

253.4989,
262.1313, 196.6011

■ 13.7322, 13.7986,
4.8975

■ 45.6880, 46.6147,
25.2353

■ 8.0151, 7.9807,
2.1296

■ 62.4926, 63.9556,
37.4211

■ 4.1565, 4.0826,
0.6333

■ 82.9826, 85.1383,
53.0076

■ 1.7910, 1.7199,
0.0000

■ 107.5232,
110.5470, 72.4135

■ 0.5123, 0.4365,
0.0000

■ 136.4797,
140.5663, 96.0572

■ 0.0000, 0.0000,
0.0000

170.2176,

175.5805, 124.3574

209.1022,
215.9741, 157.7325

■ 21.6731, 21.9206,
9.3921

■ 21.6731, 21.9206,
9.3921

■ 20.5674, 20.4236,
6.8214

■ 22.9412, 23.5427,
12.6332

■ 19.6127, 19.0438,
4.8705

■ 24.3791, 25.2912,
16.5875

■ 18.7982, 17.7767,
3.4835

■ 25.9954, 27.1713,
21.2962

■ 18.1109, 16.6161,
2.5942

■ 27.7979, 29.1870,
26.7965

■ 17.6421, 15.7829,
2.1166

■ 29.7936, 31.3419,
33.1233

■ 31.9892, 33.6395,
40.3096

■ 34.3911, 36.0832,
48.3862

■ 37.0054, 38.6762,
57.3828

■ 39.8378, 41.4215,
67.3273

Harmonies

Analogous

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



25.1606, 21.9206, 11.5518



21.6731, 21.9206, 9.3921



18.3196, 21.9206, 10.1521

Triad

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



21.6731, 21.9206, 9.3921



15.2302, 21.9206, 32.1987



26.6817, 21.9206, 37.4729

Complementary

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



21.6731, 21.9206, 9.3921



13.1509, 13.0232, 31.9575

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.



23.5704, 21.9206, 46.3877



21.6731, 21.9206, 9.3921



17.0358, 21.9206, 42.7950

Square

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



21.6731, 21.9206, 9.3921



14.8429, 21.9206, 21.5762



20.0185, 21.9206, 48.5682



28.2549, 21.9206, 26.3162

Rectangle

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



21.6731, 21.9206, 9.3921



16.5772, 21.9206, 12.3536



20.0185, 21.9206, 48.5682



25.7655, 21.9206, 40.9454

Sweetspot

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



21.6736, 21.9216, 9.3925



48.4414, 50.7866, 43.8457



17.8685, 12.4772, 13.7787



10.5635, 11.0657, 9.2764



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.



21.6736, 21.9216, 9.3925



36.4785, 36.0763, 11.4477



23.5784, 28.9262, 10.6442



6.5269, 6.8588, 6.5857



14.6130, 13.1083, 1.7600



0.2523, 0.2636, 0.0376

Inverse Universe

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



13.1509, 13.0232, 31.9575



19.5032, 18.3850, 56.4927



11.8788, 8.9965, 31.2473



6.0525, 6.3623, 7.8380



5.8538, 4.1042, 25.3914



0.1195, 0.1253, 0.3903

Previews

White Background



This preview shows how the XYZ color 21.6731, 21.9206, 9.3921 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 21.6731, 21.9206, 9.3921 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 21.6731, 21.9206, 9.3921

Background



This preview shows how black text looks on a background with the XYZ color 21.6731, 21.9206, 9.3921.



This preview shows how white text looks on a background with the XYZ color 21.6731, 21.9206,

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

21.6731, 21.9206, 9.3921

Protanopia

20.2756, 21.9593, 9.8265

Deuteranopia

22.1902, 21.8151, 9.3445



Tritanopia

24.5937, 22.0213, 23.3764

Trichromacy



Original Color

21.6731, 21.9206, 9.3921

Protanomaly

20.8093, 22.0437, 9.6367

Deuteranomaly

22.1206, 21.9643, 9.3770

Tritanomaly

23.2544, 21.8254, 17.1744

Monochromacy



Original Color

21.6731, 21.9206, 9.3921

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.2680, 21.2175, 16.9371

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6731, 21.9206, 9.3921 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(153, 125, 73)` looks like.

```
.text, #text, p{  
    color:rgb(153, 125, 73)  
}
```

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(153, 125, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 125, 73) }
```

Border

The CSS property to change the border of an element to XYZ 21.6731, 21.9206, 9.3921 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(153, 125, 73) }
```


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

```
.border{ border-color:rgb(153, 125, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 125, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 125, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 125, 73);  
box-shadow:4px 4px 4px 4px rgb(153, 125,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6731, 21.9206, 9.3921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 125, 73) }
```

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

```
.background{ background-color: rgb(153,  
125, 73) }
```

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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