

Converting Colors

XYZ(21.7333, 20.1542, 9.5822)

Have a look what the booklet for
XYZ(21.7333, 20.1542, 9.5822)
contains.

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Color

**XYZ(21.7333, 20.1542,
9.5822)**

Conversions

Conversions Part 1

Format	Color
Hex	9F734C
RGB	159, 115, 76
RGB Percent	62%, 45%, 30%
CMY	0.3765, 0.5490, 0.7020
CMYK	0.00, 0.28, 0.52, 0.38
HSL	28°, 35%, 46%
HSV	28°, 52%, 62%
XYZ	21.7333, 20.1542, 9.5822
YIQ	123.7100, 38.7430, -2.8010

Conversions

Conversions Part 2

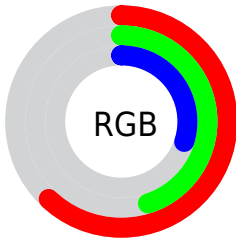
Format	Color
R_{YB}	159, 150, 76
Decimal	10449740
CIE _{Lab}	52.01, 12.60, 28.30
CIE _{LCh}	52, 30.977, 66.003
Yxy	20.1542, 0.4223, 0.3916
Android (android.graphics.Color)	4288639820 (0xFF9F734C)
YUV	123.7100, -23.5210, 30.9493
Hunter-Lab	44.8934, 7.8499, 18.7703

Details

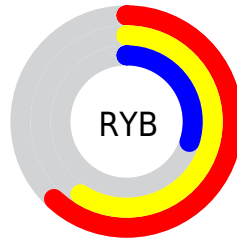
The XYZ color **21.7333, 20.1542, 9.5822** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.9547, 17.4719, 35.3322**, and the grayscale version is **19.1288, 20.1250, 21.9161**.

A 20% lighter version of the original color is **45.9035, 43.7427, 25.7625**, and **8.0672, 7.1113, 2.1757** is the 20% darker color. If you saturate the color by 10%, you get **20.3299, 18.1254, 6.7161**, and if you desaturate by 10%, it is **23.3622, 22.4154, 13.1979**.

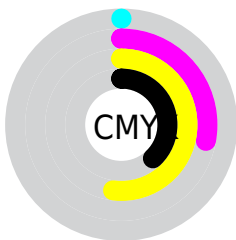
Distribution



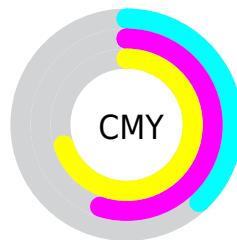
- Red (62%)
- Green (45%)
- Blue (30%)



- Red (62%)
- Yellow (59%)
- Blue (30%)



- Cyan (0%)
- Magenta (28%)
- Yellow (52%)
- Black (38%)



- Cyan (38%)
- Magenta (55%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7333, 20.1542, 9.5822 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 21.7333, 20.1542, 9.5822 by changing the saturation by 10% instead.

■ 21.7333, 20.1542,
9.5822

■ 21.7333, 20.1542,
9.5822

253.8089,
252.7487, 198.0388

■ 13.7766, 12.5072,
5.0209

■ 45.7869, 43.6756,
25.6021

■ 8.0461, 7.0901,
2.2006

■ 62.6146, 60.3187,
37.8977

■ 4.1765, 3.5185,
0.6747

■ 83.1299, 80.7293,
53.6084

■ 1.8025, 1.4080,
0.0000

■ 107.6982,
105.2918, 73.1529

■ 0.5192, 0.2226,
0.0000

■ 136.6849,
134.3906, 96.9497

■ 0.0000, 0.0000,
0.0000

170.4554,

168.4101, 125.4172

209.3749,
207.7347, 158.9741

■ 21.7333, 20.1542,
9.5822

■ 21.7333, 20.1542,
9.5822

■ 20.3299, 18.1254,
6.7161

■ 23.3622, 22.4154,
13.1979

■ 19.1380, 16.3174,
4.5437

■ 25.2266, 24.9142,
17.6113

■ 18.1438, 14.7213,
3.0028

■ 27.3376, 27.6593,
22.8678

■ 17.3310, 13.3267,
2.0197

■ 29.7050, 30.6581,
29.0091

■ 16.7950, 12.3649,
1.5015

■ 32.3381, 33.9174,
36.0739

■ 35.2458, 37.4441,
44.0987

■ 38.4363, 41.2444,
53.1181

■ 41.9176, 45.3245,
63.1649

■ 45.6973, 49.6903,
74.2703

Harmonies

Analogous

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



24.5006, 20.1542, 13.2267



21.7333, 20.1542, 9.5822



18.5279, 20.1542, 8.7945

Triad

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



21.7333, 20.1542, 9.5822



13.7291, 20.1542, 23.8140



22.9519, 20.1542, 39.2351

Complementary

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



21.7333, 20.1542, 9.5822



15.9547, 17.4719, 35.3322

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.



19.7981, 20.1542, 44.1828



21.7333, 20.1542, 9.5822



14.6513, 20.1542, 33.8374

Square

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



21.7333, 20.1542, 9.5822



14.1265, 20.1542, 15.6042



16.7909, 20.1542, 41.9758



25.2565, 20.1542, 29.8046

Rectangle

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



21.7333, 20.1542, 9.5822



16.6151, 20.1542, 9.7310



16.7909, 20.1542, 41.9758



21.9435, 20.1542, 41.5806

Sweetspot

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



21.7338, 20.1552, 9.5826



51.4026, 52.6463, 47.2429



20.2889, 13.9025, 19.4685



11.4047, 11.6360, 10.1738



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.7338, 20.1552, 9.5826



35.9532, 31.7831, 11.1547



27.5302, 31.7479, 11.5147



6.8772, 7.1344, 7.0003



13.3065, 9.8487, 1.1996



0.2800, 0.2602, 0.0355

Inverse Universe

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



15.9547, 17.4719, 35.3322



24.4085, 26.4103, 62.5547



12.0179, 9.5983, 34.0200



6.5612, 6.9881, 8.4097



7.5062, 7.1040, 26.8828



0.1764, 0.2114, 0.4947

Previews

White Background



This preview shows how the XYZ color 21.7333, 20.1542, 9.5822 looks on a white background.

Color Contrast Check

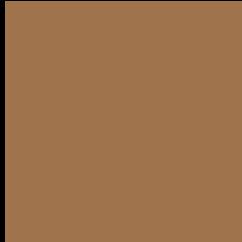
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7333, 20.1542, 9.5822 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 21.7333, 20.1542, 9.5822

Background



This preview shows how black text looks on a background with the XYZ color 21.7333, 20.1542, 9.5822.



This preview shows how white text looks on a background with the XYZ color 21.7333, 20.1542,

9.5822.

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

21.7333, 20.1542, 9.5822

Protanopia

18.6473, 20.1454, 10.4950

Deuteranopia

20.6293, 20.2810, 9.4839



Tritanopia

23.7462, 20.1412, 19.7756

Trichromacy



Original Color

21.7333, 20.1542, 9.5822

Protanomaly

19.7503, 20.1685, 10.2491

Deuteranomaly

21.0749, 20.3349, 9.4709

Tritanomaly

22.9403, 20.1447, 15.5112

Monochromacy



Original Color

21.7333, 20.1542, 9.5822

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.8077, 20.0546, 16.7369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7333, 20.1542, 9.5822 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(159, 115, 76)` looks like.

```
.text, #text, p{  
    color:rgb(159, 115, 76)  
}
```

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(159, 115, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 115, 76) }
```

Border

The CSS property to change the border of an element to XYZ 21.7333, 20.1542, 9.5822 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(159, 115, 76) }
```


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

```
.border{ border-color:rgb(159, 115, 76) }
```

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

Here you see how a box with a 4 pixel rgb(159, 115, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 115, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 115, 76);  
box-shadow:4px 4px 4px 4px rgb(159, 115,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7333, 20.1542, 9.5822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 115, 76) }
```

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

```
.background{ background-color: rgb(159,  
115, 76) }
```

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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