

Converting Colors

XYZ(21.5323, 20.9431, 8.7019)

Have a look what the booklet for
XYZ(21.5323, 20.9431, 8.7019)
contains.

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Color

**XYZ(21.5323, 20.9431,
8.7019)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7846
RGB	156, 120, 70
RGB Percent	61%, 47%, 27%
CMY	0.3882, 0.5294, 0.7255
CMYK	0.00, 0.23, 0.55, 0.39
HSL	35°, 38%, 44%
HSV	35°, 55%, 61%
XYZ	21.5323, 20.9431, 8.7019
YIQ	125.0640, 37.5060, -7.9180

Conversions

Conversions Part 2

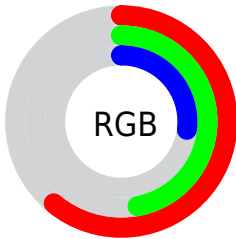
Format	Color
RYB	132, 156, 70
Decimal	10254406
CIELab	52.89, 7.88, 32.62
CIELCh	53, 33.560, 76.426
Yxy	20.9431, 0.4207, 0.4092
Android (android.graphics.Color)	4288444486 (0xFF9C7846)
YUV	125.0640, -27.1466, 27.1309
Hunter-Lab	45.7636, 3.8999, 20.7606

Details

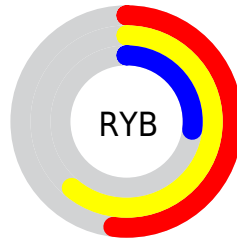
The XYZ color **21.5323, 20.9431, 8.7019** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.6803, 14.0099, 33.4356**, and the grayscale version is **19.5947, 20.6152, 22.4500**.

A 20% lighter version of the original color is **45.5229, 44.9831, 23.7361**, and **7.9617, 7.5255, 1.8971** is the 20% darker color. If you saturate the color by 10%, you get **20.3438, 19.2545, 6.1839**, and if you desaturate by 10%, it is **22.9033, 22.7920, 11.9123**.

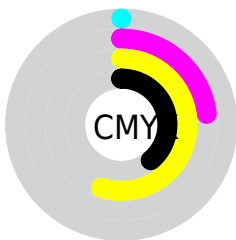
Distribution



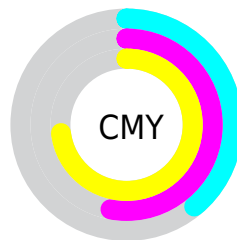
- Red (61%)
- Green (47%)
- Blue (27%)



- Red (52%)
- Yellow (61%)
- Blue (27%)



- Cyan (0%)
- Magenta (23%)
- Yellow (55%)
- Black (39%)



- Cyan (39%)
- Magenta (53%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5323, 20.9431, 8.7019 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 21.5323, 20.9431, 8.7019 by changing the saturation by 10% instead.

■ 21.5323, 20.9431,
8.7019

■ 21.5323, 20.9431,
8.7019

252.7725,
256.9759, 191.2737

■ 13.6283, 13.0824,
4.4531

■ 45.4564, 44.9928,
23.8919

■ 7.9426, 7.4853,
1.8771

■ 62.2072, 61.9506,
35.6701

■ 4.1097, 3.7674,
0.4781

■ 82.6377, 82.7096,
50.7953

■ 1.7644, 1.5443,
0.0000

■ 107.1132,
107.6542, 69.6859

■ 0.4961, 0.3196,
0.0000

■ 135.9991,
137.1687, 92.7605

■ 0.0000, 0.0000,
0.0000

169.6607,

171.6376, 120.4377

208.4634,
211.4452, 153.1359

■ 21.5323, 20.9431,
8.7019

■ 21.5323, 20.9431,
8.7019

■ 20.3438, 19.2545,
6.1839

■ 22.9033, 22.7920,
11.9123

■ 19.3252, 17.7171,
4.3034

■ 24.4653, 24.8039,
15.8619

■ 18.4641, 16.3249,
2.9991

■ 26.2282, 26.9850,
20.5947

■ 17.7445, 15.0698,
2.1918

■ 28.2004, 29.3404,
26.1510

■ 17.4261, 14.4997,
1.8803

■ 30.3900, 31.8748,
32.5683

■ 32.8045, 34.5926,
39.8816

■ 35.4511, 37.4982,
48.1241

■ 38.3365, 40.5958,
57.3273

■ 41.4673, 43.8892,
67.5211

Harmonies

Analogous

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



24.9300, 20.9431, 11.4704



21.5323, 20.9431, 8.7019



18.0576, 20.9431, 8.8336

Triad

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



21.5323, 20.9431, 8.7019



14.1083, 20.9431, 28.7179



25.2070, 20.9431, 38.8910

Complementary

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



21.5323, 20.9431, 8.7019



13.6803, 14.0099, 33.4356

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.



21.8760, 20.9431, 46.8237



21.5323, 20.9431, 8.7019



15.6065, 20.9431, 39.8702

Square

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



21.5323, 20.9431, 8.7019



14.0393, 20.9431, 18.5609



18.3633, 20.9431, 47.2271



27.2140, 20.9431, 27.6478

Rectangle

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



21.5323, 20.9431, 8.7019



16.1610, 20.9431, 10.5182



18.3633, 20.9431, 47.2271



24.1885, 20.9431, 42.1610

Sweetspot

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



21.5328, 20.9441, 8.7023



50.3953, 52.3179, 45.1361



18.5685, 12.5156, 15.4209



10.9423, 11.3378, 9.5148



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.



21.5328, 20.9441, 8.7023



36.5216, 34.3402, 10.3924



25.6208, 30.7284, 10.3754



6.9373, 7.2545, 7.0203



14.3886, 12.0129, 1.5604



0.2985, 0.2972, 0.0416

Inverse Universe

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



13.6803, 14.0099, 33.4356



20.8034, 20.4869, 59.9847



11.1504, 8.3065, 32.4680



6.5015, 6.8687, 8.3898



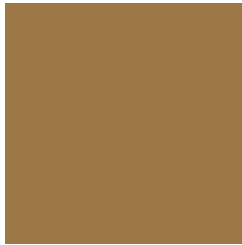
6.5466, 5.1848, 26.5630



0.1579, 0.1744, 0.4886

Previews

White Background



This preview shows how the XYZ color 21.5323, 20.9431, 8.7019 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 21.5323, 20.9431, 8.7019 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 21.5323, 20.9431, 8.7019

Background



This preview shows how black text looks on a background with the XYZ color 21.5323, 20.9431, 8.7019.



This preview shows how white text looks on a background with the XYZ color 21.5323, 20.9431,

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

21.5323, 20.9431, 8.7019

Protanopia

19.4065, 21.1356, 9.1876

Deuteranopia

21.4604, 21.0855, 8.7332



Tritanopia

24.0897, 20.9383, 21.5107

Trichromacy



Original Color

21.5323, 20.9431, 8.7019

Protanomaly

20.0220, 20.8900, 8.9381

Deuteranomaly

21.4604, 21.0855, 8.7332

Tritanomaly

23.0422, 20.8612, 15.9089

Monochromacy



Original Color

21.5323, 20.9431, 8.7019

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.7861, 20.4201, 16.2632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5323, 20.9431, 8.7019 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(156, 120, 70)` looks like.

```
.text, #text, p{  
    color:rgb(156, 120, 70)  
}
```

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(156, 120, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 120, 70) }
```

Border

The CSS property to change the border of an element to XYZ 21.5323, 20.9431, 8.7019 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(156, 120, 70) }
```


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

```
.border{ border-color:rgb(156, 120, 70) }
```

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

Here you see how a box with a 4 pixel rgb(156, 120, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 120, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 120, 70);  
box-shadow:4px 4px 4px 4px rgb(156, 120,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5323, 20.9431, 8.7019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 120, 70) }
```

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

```
.background{ background-color: rgb(156,  
120, 70) }
```

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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