

Converting Colors

XYZ(22.0209, 18.9588, 8.4477)

Have a look what the booklet for
XYZ(22.0209, 18.9588, 8.4477)
contains.

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Color

**XYZ(22.1209, 19.0773,
8.4776)**

Conversions

Conversions Part 1

Format	Color
Hex	A66B47
RGB	166, 107, 71
RGB Percent	65%, 42%, 28%
CMY	0.3490, 0.5804, 0.7216
CMYK	0.00, 0.36, 0.57, 0.35
HSL	23°, 40%, 46%
HSV	23°, 57%, 65%
XYZ	22.1209, 19.0773, 8.4776
YIQ	120.5370, 46.7200, 1.3120

Conversions

Conversions Part 2

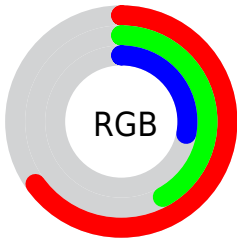
Format	Color
R_{YB}	166, 129, 71
Decimal	10906439
CIE Lab	50.78, 19.72, 29.73
CIE LCh	51, 35.678, 56.442
Yxy	19.0773, 0.4453, 0.3840
Android (android.graphics.Color)	4289096519 (0xFFA66B47)
YUV	120.5370, -24.4217, 39.8711
Hunter-Lab	43.6776, 13.9672, 19.0664

Details

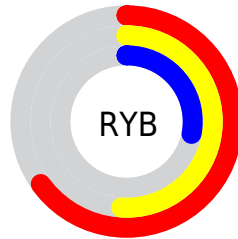
The XYZ color **22.1209, 19.0773, 8.4776** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.4636, 20.0570, 39.0272**, and the grayscale version is **18.0907, 19.0329, 20.7268**.

A 20% lighter version of the original color is **46.5288, 41.9996, 23.4237**, and **8.3060, 6.5820, 1.8100** is the 20% darker color. If you saturate the color by 10%, you get **20.6478, 16.8704, 5.7077**, and if you desaturate by 10%, it is **23.8686, 21.6007, 12.0574**.

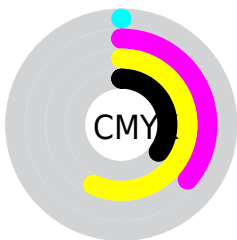
Distribution



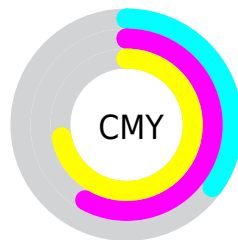
- Red (65%)
- Green (42%)
- Blue (28%)



- Red (65%)
- Yellow (51%)
- Blue (28%)



- Cyan (0%)
- Magenta (36%)
- Yellow (57%)
- Black (35%)





- Cyan (35%)
- Magenta (58%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.1209, 19.0773, 8.4776 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 22.1209, 19.0773, 8.4776 by changing the saturation by 10% instead.


 22.1209, 19.0773,
8.4776


 22.1209, 19.0773,
8.4776


255.7975,
246.8752, 189.5038


 14.0629, 11.7261,
4.3099


 46.4231, 41.8647,
23.4510

 8.2464, 6.5575,
1.7969


 63.3980, 58.0697,
35.0938

 4.3061, 3.1869,
0.4259

 84.0758, 77.9948,
50.0653

 1.8767, 1.2301,
0.0000

 108.8221,
102.0243, 68.7842

 0.5633, 0.0861,
0.0000

 138.0020,
130.5428, 91.6690

 0.0000, 0.0000,
0.0000

171.9810,

163.9344, 119.1381

211.1243,
202.5838, 151.6102

■ 22.1209, 19.0773,
8.4776

■ 22.1209, 19.0773,
8.4776

■ 20.6478, 16.8704,
5.7077

■ 23.8686, 21.6007,
12.0574

■ 19.4313, 14.9632,
3.6810

■ 25.9047, 24.4505,
16.5044

■ 18.4529, 13.3415,
2.3219

■ 28.2434, 27.6397,
21.8716

■ 17.6858, 11.9866,
1.5136

■ 30.8975, 31.1797,
28.2078

■ 17.4985, 11.6523,
1.3268

■ 33.8792, 35.0813,
35.5580

■ 37.1999, 39.3548,
43.9645

■ 40.8703, 44.0101,
53.4672

■ 44.9009, 49.0567,
64.1039

■ 49.3013, 54.5037,
75.9106

Harmonies

Analogous

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



24.8646, 19.0773, 13.3050



22.1209, 19.0773, 8.4776



18.5541, 19.0773, 6.8449

Triad

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



22.1209, 19.0773, 8.4776



12.2009, 19.0773, 19.5964



21.3037, 19.0773, 43.3039

Complementary

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



22.1209, 19.0773, 8.4776



17.4636, 20.0570, 39.0272

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.



17.7172, 19.0773, 46.6212



22.1209, 19.0773, 8.4776



12.7403, 19.0773, 30.6121

Square

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



22.1209, 19.0773, 8.4776



13.0739, 19.0773, 11.8214



14.6547, 19.0773, 41.3775



24.3517, 19.0773, 33.3795

Rectangle

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



22.1209, 19.0773, 8.4776



16.2901, 19.0773, 7.2102



14.6547, 19.0773, 41.3775



20.1087, 19.0773, 45.3432

Sweetspot

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



22.1214, 19.0783, 8.4780



56.0316, 56.5293, 51.0860



22.0872, 14.2568, 23.1198



12.3225, 12.3640, 10.9088



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.1214, 19.0783, 8.4780



36.7517, 29.5046, 9.0984



28.3090, 31.4536, 10.5405



7.7554, 7.9909, 7.9229



13.6114, 9.1200, 1.0429



0.3806, 0.3208, 0.0419

Inverse Universe

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



17.4636, 20.0570, 39.0272



27.4026, 31.3624, 70.0846



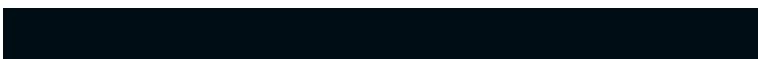
12.6261, 10.3820, 37.4147



7.5051, 8.0471, 9.5760



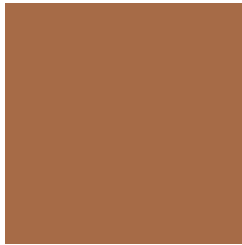
9.1513, 9.7628, 29.3776



0.2696, 0.3314, 0.7304

Previews

White Background



This preview shows how the XYZ color 22.1209, 19.0773, 8.4776 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 22.1209, 19.0773, 8.4776 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 22.1209, 19.0773, 8.4776

Background



This preview shows how black text looks on a background with the XYZ color 22.1209, 19.0773, 8.4776.



This preview shows how white text looks on a background with the XYZ color 22.1209, 19.0773,

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

22.1209, 19.0773, 8.4776

Protanopia

17.6576, 19.1021, 9.5939

Deuteranopia

19.5323, 19.2164, 8.3099



Tritanopia

23.9280, 19.0635, 17.1703

Trichromacy



Original Color

22.1209, 19.0773, 8.4776

Protanomaly

18.9830, 18.9145, 9.1289

Deuteranomaly

20.5282, 19.2210, 8.4224

Tritanomaly

23.2101, 19.0700, 13.5239

Monochromacy



Original Color

22.1209, 19.0773, 8.4776

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.0101, 18.7884, 15.4566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1209, 19.0773, 8.4776 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(166, 107, 71)` looks like.

```
.text, #text, p{  
    color:rgb(166, 107, 71)  
}
```

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(166, 107, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 107, 71) }
```

Border

The CSS property to change the border of an element to XYZ 22.1209, 19.0773, 8.4776 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(166, 107, 71) }
```


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

```
.border{ border-color:rgb(166, 107, 71) }
```

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

Here you see how a box with a 4 pixel rgb(166, 107, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 107, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 107, 71);  
box-shadow:4px 4px 4px 4px rgb(166, 107,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1209, 19.0773, 8.4776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 107, 71) }
```

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

```
.background{ background-color: rgb(166,  
107, 71) }
```

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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