

Converting Colors

XYZ(16.9331, 9.7549, 1.1354)

Have a look what the booklet for
XYZ(16.9331, 9.7549, 1.1354)
contains.

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Color

**XYZ(16.8690, 9.7220,
1.1310)**

Conversions

Conversions Part 1

Format	Color
Hex	A82605
RGB	168, 38, 5
RGB Percent	66%, 15%, 2%
CMY	0.3412, 0.8509, 0.9804
CMYK	0.00, 0.77, 0.97, 0.34
HSL	12°, 94%, 34%
HSV	12°, 97%, 66%
XYZ	16.8690, 9.7220, 1.1310
YIQ	73.1080, 88.0730, 17.2970

Conversions

Conversions Part 2

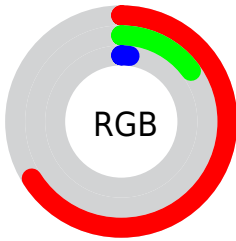
Format	Color
R_{YB}	168, 46, 5
Decimal	11019781
CIE _{Lab}	37.34, 51.08, 48.33
CIE _{LCh}	37, 70.316, 43.413
Yxy	9.7220, 0.6085, 0.3507
Android (android.graphics.Color)	4289209861 (0xFFA82605)
YUV	73.1080, -33.5772, 83.2203
Hunter-Lab	31.1801, 42.0065, 19.6755

Details

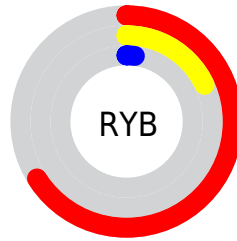
The XYZ color **16.8690, 9.7220, 1.1310** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **15.7931, 20.1848, 40.1093**, and the grayscale version is **6.3986, 6.7318, 7.3310**.

A 20% lighter version of the original color is **37.6473, 25.2702, 6.5078**, and **6.0634, 3.1258, 0.2838** is the 20% darker color. If you saturate the color by 10%, you get **16.7210, 9.4701, 0.9466**, and if you desaturate by 10%, it is **17.4930, 10.7854, 1.9088**.

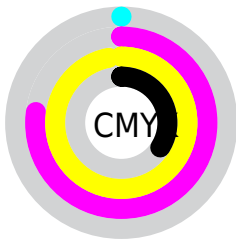
Distribution



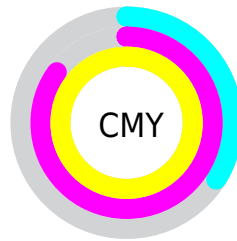
- Red (66%)
- Green (15%)
- Blue (2%)



- Red (66%)
- Yellow (18%)
- Blue (2%)



- Cyan (0%)
- Magenta (77%)
- Yellow (97%)
- Black (34%)




- Cyan (34%)
- Magenta (85%)
- Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8690, 9.7220, 1.1310 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 16.8690, 9.7220, 1.1310 by changing the saturation by 10% instead.


 16.8690, 9.7220,
1.1310


 16.8690, 9.7220,
1.1310


 227.5873,
188.6763, 106.9515


 10.2359, 5.2150,
0.0000


 37.6458, 25.2713,
6.4889


 5.6191, 2.3740,
0.0000

 52.5202, 37.0824,
11.8031

 2.6533, 0.8124,
0.0000

 70.8723, 52.0970,
19.4323

 0.9732, 0.0000,
0.0000


 93.0676, 70.6995,
29.7950


 0.0000, 0.0000,
0.0000

 119.4714, 93.2743,
43.3098


 150.4490,


120.2057, 60.3951


 186.3659,
151.8783, 81.4695


 16.8690, 9.7220,
1.1310


 16.8690, 9.7220,
1.1310


 16.7210, 9.4701,
0.9466

 17.4930, 10.7854,
1.9088

 18.3871, 12.2269,
3.2759

 19.5865, 14.0822,
5.3508

 21.1173, 16.3806,
8.2140

 23.0030, 19.1489,
11.9350

■ 25.2648, 22.4117,
16.5756

■ 27.9220, 26.1916,
22.1919

■ 30.9927, 30.5102,
28.8353

■ 34.4938, 35.3873,
36.5539

Harmonies

Analogous

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



20.1845, 9.7220, 5.8929



16.8690, 9.7220, 1.1310



11.8782, 9.7220, 0.0000

Triad

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



16.8690, 9.7220, 1.1310



3.2639, 9.7220, 5.0569



11.3501, 9.7220, 56.1271

Complementary

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



16.8690, 9.7220, 1.1310



15.7931, 20.1848, 40.1093

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.



7.0253, 9.7220, 55.0756



16.8690, 9.7220, 1.1310



3.2035, 9.7220, 17.2765

Square

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



16.8690, 9.7220, 1.1310



4.5525, 9.7220, 0.9297



4.3486, 9.7220, 37.5786



16.3779, 9.7220, 39.8349

Rectangle

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



16.8690, 9.7220, 1.1310



8.7448, 9.7220, 0.0000



4.3486, 9.7220, 37.5786



9.7545, 9.7220, 58.0313

Sweetspot

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



16.8692, 9.7226, 1.1311



49.3897, 45.7175, 37.5420



20.6041, 10.1939, 23.9512



10.3322, 9.3494, 7.2672



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.



16.8692, 9.7226, 1.1311



30.2198, 16.9387, 1.6767



22.7845, 21.5532, 3.1029



7.6496, 7.7793, 7.8876



12.6577, 7.2127, 0.7250



0.3415, 0.2426, 0.0288

Inverse Universe

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



15.7931, 20.1848, 40.1093



28.1342, 35.7473, 72.6422



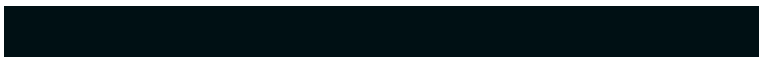
8.4450, 5.4885, 37.6599



7.6166, 8.2702, 9.6132



11.8098, 15.0798, 30.2637



0.3192, 0.4305, 0.7469

Previews

White Background



This preview shows how the XYZ color 16.8690, 9.7220, 1.1310 looks on a white background.

Color Contrast Check

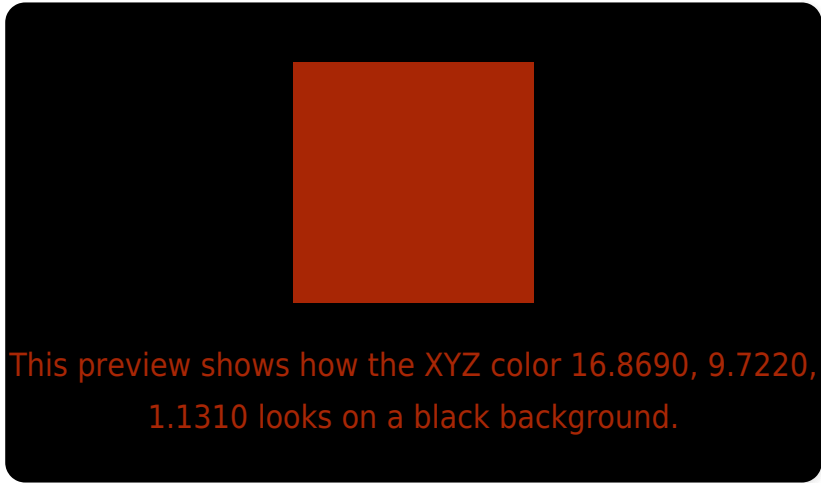
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.8690, 9.7220, 1.1310

Background



This preview shows how black text looks on a background with the XYZ color 16.8690, 9.7220, 1.1310.



This preview shows how white text looks on a background with the XYZ color 16.8690, 9.7220,

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

16.8690, 9.7220, 1.1310

Protanopia

8.9542, 9.9046, 2.1017

Deuteranopia

10.0586, 10.0077, 1.4015



Tritanopia

17.0978, 9.7140, 2.6429

Trichromacy



Original Color

16.8690, 9.7220, 1.1310

Protanomaly

10.7338, 8.7748, 1.5799

Deuteranomaly

11.7509, 9.1252, 1.1994

Tritanomaly

16.9855, 9.7182, 1.9003

Monochromacy



Original Color

16.8690, 9.7220, 1.1310

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

8.3337, 6.6333, 3.6374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8690, 9.7220, 1.1310 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(168, 38, 5)` looks like.

```
.text, #text, p{  
    color:rgb(168, 38, 5)  
}
```

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(168, 38, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 38, 5) }
```

Border

The CSS property to change the border of an element to XYZ 16.8690, 9.7220, 1.1310 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(168, 38, 5) }
```


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

```
.border{ border-color:rgb(168, 38, 5) }
```

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

Here you see how a box with a 4 pixel rgb(168, 38, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 38, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 38, 5);  
box-shadow:4px 4px 4px 4px rgb(168, 38, 5)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8690, 9.7220, 1.1310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 38, 5) }
```

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

```
.background{ background-color: rgb(168, 38,  
5) }
```

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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