

Converting Colors

XYZ(16.5389, 9.2194, 5.4140)

Have a look what the booklet for
XYZ(16.5389, 9.2194, 5.4140)
contains.

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Color

**XYZ(16.5176, 9.2220,
5.4669)**

Conversions

Conversions Part 1

Format	Color
Hex	A3213E
RGB	163, 33, 62
RGB Percent	64%, 13%, 24%
CMY	0.3608, 0.8706, 0.7569
CMYK	0.00, 0.80, 0.62, 0.36
HSL	347°, 66%, 38%
HSV	347°, 80%, 64%
XYZ	16.5176, 9.2220, 5.4669
YIQ	75.1760, 68.1710, 36.5790

Conversions

Conversions Part 2

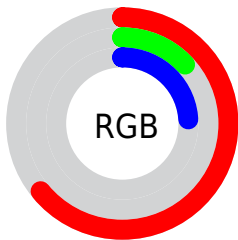
Format	Color
R_{YB}	163, 33, 62
Decimal	10690878
CIE _{Lab}	36.41, 53.13, 16.58
CIE _{LCh}	36, 55.651, 17.329
Yxy	9.2220, 0.5293, 0.2955
Android (android.graphics.Color)	4288880958 (0xFFA3213E)
YUV	75.1760, -6.4958, 77.0216
Hunter-Lab	30.3677, 43.9460, 10.5838

Details

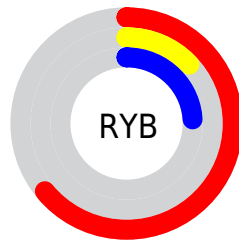
The XYZ color **16.5176, 9.2220, 5.4669** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **18.0283, 28.2392, 27.0580**, and the grayscale version is **6.7231, 7.0732, 7.7027**.

A 20% lighter version of the original color is **36.9328, 24.2743, 17.2068**, and **5.8352, 2.9936, 0.9321** is the 20% darker color. If you saturate the color by 10%, you get **15.8617, 8.4030, 3.7290**, and if you desaturate by 10%, it is **17.4741, 10.5125, 7.7048**.

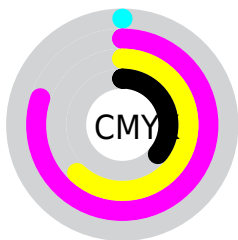
Distribution



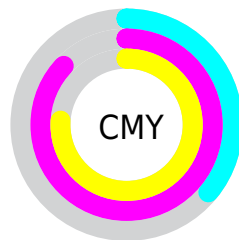
- Red (64%)
- Green (13%)
- Blue (24%)



- Red (64%)
- Yellow (13%)
- Blue (24%)



- Cyan (0%)
- Magenta (80%)
- Yellow (62%)
- Black (36%)





- Cyan (36%)
- Magenta (87%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.5176, 9.2220, 5.4669 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 16.5176, 9.2220, 5.4669 by changing the saturation by 10% instead.


 16.5176, 9.2220,
5.4669


 16.5176, 9.2220,
5.4669


225.5877,
185.0255, 163.3516


 9.9843, 4.8863,
2.4602


 37.0447, 24.3215,
17.2721


 5.4507, 2.1807,
0.8190

 51.7693, 35.8540,
26.9077


 2.5515, 0.7094,
0.0000

 69.9549, 50.5543,
39.5900

 0.9213, 0.0000,
0.0000

 91.9671, 68.8067,
55.7377

 0.0000, 0.0000,
0.0000

 118.1711, 90.9957,
75.7691

 148.9323,

117.5055, 100.1029

184.6161,
148.7206, 129.1575

■ 16.5176, 9.2220,
5.4669

■ 16.5176, 9.2220,
5.4669

■ 15.8617, 8.4030,
3.7290

■ 17.4741, 10.5125,
7.7048

■ 15.4374, 7.9269,
2.4397

■ 18.7635, 12.3310,
10.4788

■ 15.4280, 7.9160,
2.4123

■ 20.4146, 14.7274,
13.8219

■ 22.4530, 17.7457,
17.7643

■ 24.9015, 21.4253,
22.3338

■ 27.7815, 25.8026,
27.5566

■ 31.1127, 30.9111,
33.4574

■ 34.9136, 36.7822,
40.0594

■ 39.2016, 43.4457,
47.3850

Harmonies

Analogous

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



16.7264, 9.2220, 14.6854



16.5176, 9.2220, 5.4669



13.9300, 9.2220, 1.6449

Triad

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



16.5176, 9.2220, 5.4669



4.8129, 9.2220, 1.9852



7.4196, 9.2220, 41.1972

Complementary

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



16.5176, 9.2220, 5.4669



18.0283, 28.2392, 27.0580

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.



5.0668, 9.2220, 30.7917



16.5176, 9.2220, 5.4669



3.8423, 9.2220, 6.4966

Square

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



16.5176, 9.2220, 5.4669



6.9738, 9.2220, 0.6745



3.9215, 9.2220, 16.6429



10.8398, 9.2220, 40.2051

Rectangle

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



16.5176, 9.2220, 5.4669



11.5068, 9.2220, 0.7985



3.9215, 9.2220, 16.6429



6.4979, 9.2220, 38.7322

Sweetspot

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



16.5178, 9.2225, 5.4670



47.2339, 42.3694, 44.8104



16.7756, 8.6922, 35.4438



10.2228, 8.9306, 9.3621



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



16.5178, 9.2225, 5.4670



27.8032, 14.3932, 4.7759



17.4263, 11.9912, 2.8356



7.1355, 7.1106, 7.6998



12.0052, 6.1582, 1.9523



0.2685, 0.1359, 0.1264

Inverse Universe

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



16.5178, 9.2225, 5.4670



27.8032, 14.3932, 4.7759



15.0014, 18.4939, 37.4292



7.1355, 7.1106, 7.6998



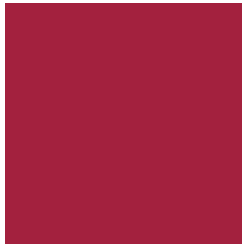
12.0052, 6.1582, 1.9523



0.2685, 0.1359, 0.1264

Previews

White Background



This preview shows how the XYZ color 16.5176, 9.2220, 5.4669 looks on a white background.

Color Contrast Check

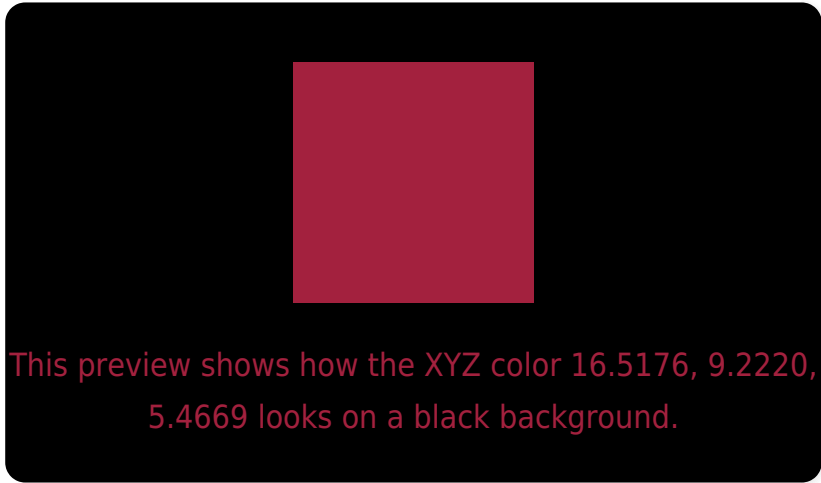
Large Text (above 18pt) WCAG AA ✓ Pass

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

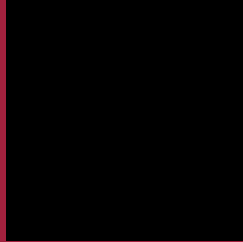
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.5176, 9.2220, 5.4669

Background



This preview shows how black text looks on a background with the XYZ color 16.5176, 9.2220, 5.4669.



This preview shows how white text looks on a background with the XYZ color 16.5176, 9.2220,

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

16.5176, 9.2220, 5.4669

Protanopia

9.1677, 9.5961, 9.9634

Deuteranopia

9.6328, 9.4753, 5.0626



Tritanopia

15.9596, 9.2141, 2.8568

Trichromacy



Original Color

16.5176, 9.2220, 5.4669

Protanomaly

10.5492, 8.2631, 8.0601

Deuteranomaly

11.2582, 8.5217, 5.0545

Tritanomaly

16.0443, 9.1484, 3.6095

Monochromacy



Original Color

16.5176, 9.2220, 5.4669

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

8.7848, 6.7997, 6.6438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5176, 9.2220, 5.4669 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(163, 33, 62)` looks like.

```
.text, #text, p{  
    color:rgb(163, 33, 62)  
}
```

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(163, 33, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 33, 62) }
```

Border

The CSS property to change the border of an element to XYZ 16.5176, 9.2220, 5.4669 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(163, 33, 62) }
```


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

```
.border{ border-color:rgb(163, 33, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 33, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 33, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 33, 62);  
box-shadow:4px 4px 4px 4px rgb(163, 33,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 16.5176, 9.2220, 5.4669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 33, 62) }
```

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

```
.background{ background-color: rgb(163, 33,  
62) }
```

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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