

Converting Colors

XYZ(16.0846, 7.2775, 0.7066)

Have a look what the booklet for
XYZ(16.0846, 7.2775, 0.7066)
contains.

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Color

**XYZ(16.8220, 8.6689,
0.9302)**

Conversions

Conversions Part 1

Format	Color
Hex	AB0005
RGB	171, 0, 5
RGB Percent	67%, 0%, 2%
CMY	0.3294, 0.9999, 0.9804
CMYK	0.00, 1.00, 0.97, 0.33
HSL	358°, 100%, 34%
HSV	358°, 100%, 67%
XYZ	16.8220, 8.6689, 0.9302
YIQ	51.6990, 100.3110, 37.8070

Conversions

Conversions Part 2

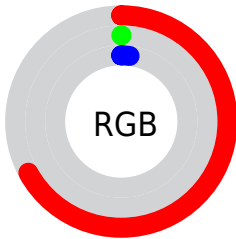
Format	Color
RYB	171, 0, 5
Decimal	11206661
CIELab	35.34, 59.44, 47.62
CIELCh	35, 76.164, 38.703
Yxy	8.6689, 0.6367, 0.3281
Android (android.graphics.Color)	4289396741 (0xFFAB0005)
YUV	51.6990, -23.0226, 104.6270
Hunter-Lab	29.4430, 50.4592, 18.7369

Details

The XYZ color **16.8220, 8.6689, 0.9302** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **21.4488, 31.8801, 41.1134**, and the grayscale version is **3.2483, 3.4174, 3.7216**.

A 20% lighter version of the original color is **37.5574, 23.2270, 5.8719**, and **6.1843, 3.1881, 0.2894** is the 20% darker color. If you saturate the color by 10%, you get **16.8217, 8.6688, 0.9294**, and if you desaturate by 10%, it is **17.1379, 9.1192, 1.5960**.

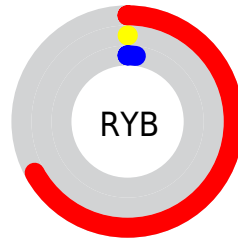
Distribution



Red (67%)

Green (0%)

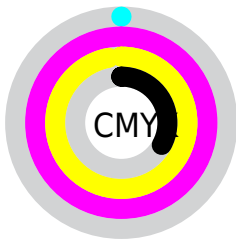
Blue (2%)



Red (67%)

Yellow (0%)

Blue (2%)

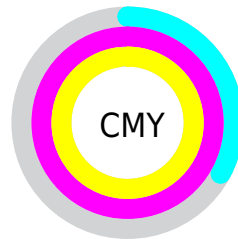


Cyan (0%)

Magenta (100%)

Yellow (97%)

Black (33%)



Cyan (33%)


Magenta (100%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 16.8220, 8.6689, 0.9302 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 16.8220, 8.6689, 0.9302 by changing the saturation by 10% instead.

 16.8220, 8.6689,
0.9302

 16.8220, 8.6689,
0.9302


 227.3208,
180.8883, 102.5797


 10.2022, 4.5259,
0.0000


 37.5655, 23.2597,
5.8282


 5.5965, 1.9719,
0.0000

 52.4199, 34.4762,
10.8123


 2.6396, 0.5910,
0.0000

 70.7499, 48.8194,
18.0447

 0.9662, 0.0000,
0.0000


 92.9208, 66.6736,
27.9439


 0.0000, 0.0000,
0.0000

 119.2980, 88.4232,
40.9285


 150.2468,


114.4525, 57.4170

 186.1326,
145.1461, 77.8279


 16.8220, 8.6689,
0.9302


 16.8220, 8.6689,
0.9302


 16.8217, 8.6688,
0.9294

 17.1379, 9.1192,
1.5960

 17.7262, 9.9563,
2.8386

 18.6777, 11.3284,
4.7925

 20.0382, 13.3044,
7.5425

 21.8468, 15.9433,
11.1614

■ 24.1380, 19.2968,
15.7140

■ 26.9431, 23.4116,
21.2586

■ 30.2904, 28.3304,
27.8492

■ 34.2065, 34.0929,
35.5355

Harmonies

Analogous

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



19.8350, 8.6689, 6.2113



16.8220, 8.6689, 0.9302



11.7320, 8.6689, 0.0000

Triad

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



16.8220, 8.6689, 0.9302



2.5830, 8.6689, 3.0669



9.5951, 8.6689, 59.8177

Complementary

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



16.8220, 8.6689, 0.9302



21.4488, 31.8801, 41.1134

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.



5.5197, 8.6689, 55.2041



16.8220, 8.6689, 0.9302



2.3664, 8.6689, 13.6266

Square

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



16.8220, 8.6689, 0.9302



3.9825, 8.6689, 0.1042



3.2238, 8.6689, 34.3415



14.7863, 8.6689, 44.0804

Rectangle

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



16.8220, 8.6689, 0.9302



8.4336, 8.6689, 0.0000



3.2238, 8.6689, 34.3415



8.0484, 8.6689, 60.7619

Sweetspot

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



16.8222, 8.6695, 0.9303



47.9542, 41.4891, 37.4820



22.9306, 10.9725, 39.4371



10.2146, 8.5486, 7.4119



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



16.8222, 8.6695, 0.9303



30.1136, 15.5201, 1.5937



19.6498, 14.3683, 1.7385



8.0143, 8.0190, 8.3863



12.6846, 6.5364, 0.7187



0.3559, 0.1830, 0.0357

Inverse Universe

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



16.8222, 8.6695, 0.9303



30.1136, 15.5201, 1.5937



11.1104, 10.4592, 39.9611



8.0143, 8.0190, 8.3863



12.6846, 6.5364, 0.7187



0.3559, 0.1830, 0.0357

Previews

White Background



This preview shows how the XYZ color 16.8220, 8.6689, 0.9302 looks on a white background.

Color Contrast Check

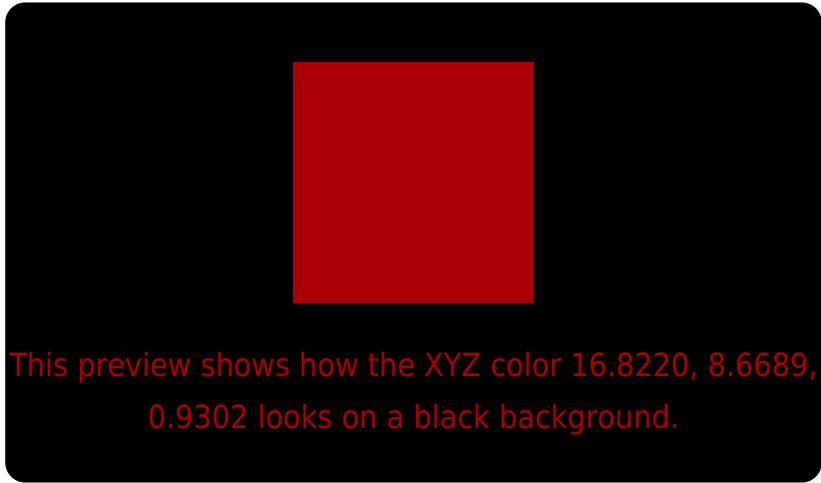
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8220, 8.6689, 0.9302

Background



This preview shows how black text looks on a background with the XYZ color 16.8220, 8.6689, 0.9302.



This preview shows how white text looks on a background with the XYZ color 16.8220, 8.6689,

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

16.8220, 8.6689, 0.9302

Protanopia

8.4122, 9.2588, 2.1544

Deuteranopia

9.3240, 9.2858, 1.3009



Tritanopia

16.7629, 8.9166, 0.8376

Trichromacy



Original Color

16.8220, 8.6689, 0.9302

Protanomaly

9.7719, 7.0549, 1.3369

Deuteranomaly

10.7547, 7.3659, 0.9124

Tritanomaly

16.6971, 8.7675, 0.8697

Monochromacy



Original Color

16.8220, 8.6689, 0.9302

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.5665, 3.6420, 1.9997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8220, 8.6689, 0.9302 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(171, 0, 5)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 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(171, 0, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 5) }
```

Border

The CSS property to change the border of an element to XYZ 16.8220, 8.6689, 0.9302 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(171, 0, 5) }
```


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

```
.border{ border-color:rgb(171, 0, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 0, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 5); -webkit-box-shadow:4px  
4px 4px 4px rgb(171, 0, 5); box-shadow:4px  
4px 4px 4px rgb(171, 0, 5) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8220, 8.6689, 0.9302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 5) }
```

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

```
.background{ background-color: rgb(171, 0,  
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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