

Converting Colors

XYZ(16.2395, 8.1856, 9.1734)

Have a look what the booklet for
XYZ(16.2395, 8.1856, 9.1734)
contains.

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Color

**XYZ(16.2982, 8.2172,
9.1146)**

Conversions

Conversions Part 1

Format	Color
Hex	A10054
RGB	161, 0, 84
RGB Percent	63%, 0%, 33%
CMY	0.3686, 0.9999, 0.6706
CMYK	0.00, 1.00, 0.48, 0.37
HSL	329°, 100%, 32%
HSV	329°, 100%, 63%
XYZ	16.2982, 8.2172, 9.1146
YIQ	57.7150, 68.9920, 60.2560

Conversions

Conversions Part 2

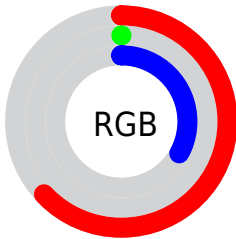
Format	Color
RYB	161, 0, 84
Decimal	10551380
CIELab	34.43, 60.41, -0.54
CIELCh	34, 60.408, 359.489
Yxy	8.2172, 0.4846, 0.2443
Android (android.graphics.Color)	4288741460 (0xFFA10054)
YUV	57.7150, 12.9585, 90.5809
Hunter-Lab	28.6657, 51.3234, 1.2140

Details

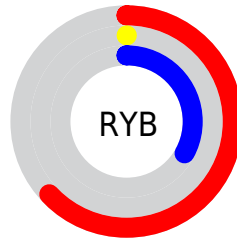
The XYZ color **16.2982, 8.2172, 9.1146** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.0856, 26.0260, 11.3068**, and the grayscale version is **3.9623, 4.1686, 4.5396**.

A 20% lighter version of the original color is **36.7063, 22.3734, 24.5742**, and **5.9597, 3.0300, 2.1902** is the 20% darker color. If you saturate the color by 10%, you get **16.2977, 8.2170, 9.1122**, and if you desaturate by 10%, it is **16.8038, 8.7188, 10.8542**.

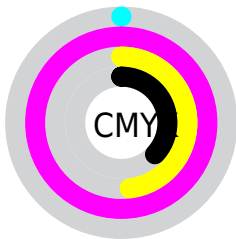
Distribution



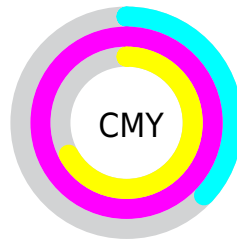
- Red (63%)
- Green (0%)
- Blue (33%)



- Red (63%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (48%)
- Black (37%)





- Cyan (37%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.2982, 8.2172, 9.1146 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 16.2982, 8.2172, 9.1146 by changing the saturation by 10% instead.


 16.2982, 8.2172,
9.1146


 16.2982, 8.2172,
9.1146


224.3309,
177.4258, 194.4800


 9.8276, 4.2342,
4.7182


 36.6684, 22.3832,
24.6975


 5.3462, 1.8054,
2.0270

 51.2987, 33.3349,
36.7211


 2.4886, 0.4906,
0.5718

 69.3796, 47.3785,
52.1241

 0.8895, 0.0000,
0.0000


 91.2765, 64.8981,
71.3251


 0.0000, 0.0000,
0.0000

 117.3548, 86.2783,
94.7427


 147.9797,

111.9033, 122.7953

 183.5166,
142.1577, 155.9015

 16.2982, 8.2172,
9.1146


 16.2982, 8.2172,
9.1146


 16.2977, 8.2170,
9.1122

 16.8038, 8.7188,
10.8542

 17.4919, 9.5308,
12.8233

 18.4275, 10.7813,
15.0483

 19.6386, 12.5252,
17.5434

 21.1494, 14.8092,
20.3209

■ 22.9812, 17.6745,
23.3924

■ 25.1532, 21.1583,
26.7682

■ 27.6831, 25.2946,
30.4584

■ 30.5873, 30.1150,
34.4723

Harmonies

Analogous

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



14.8701, 8.2172, 22.1471



16.2982, 8.2172, 9.1146



14.9596, 8.2172, 2.5491

Triad

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



16.2982, 8.2172, 9.1146



5.0235, 8.2172, 0.4741



4.9488, 8.2172, 36.5474

Complementary

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



16.2982, 8.2172, 9.1146



14.0856, 26.0260, 11.3068

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.



3.4029, 8.2172, 21.6237



16.2982, 8.2172, 9.1146



3.4364, 8.2172, 2.4263

Square

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



16.2982, 8.2172, 9.1146



7.8685, 8.2172, 0.0000



2.9409, 8.2172, 8.7817



7.7522, 8.2172, 43.5488

Rectangle

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



16.2982, 8.2172, 9.1146



12.8495, 8.2172, 0.9394



2.9409, 8.2172, 8.7817



4.2981, 8.2172, 31.9318

Sweetspot

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



16.2984, 8.2177, 9.1147



44.8050, 37.5004, 47.5746



9.3464, 4.0755, 34.0122



9.4767, 7.6607, 9.8992



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



16.2984, 8.2177, 9.1147



29.0875, 14.6758, 15.7904



14.7277, 7.5894, 0.8435



7.2208, 7.1448, 8.1494



13.0372, 6.5710, 7.3867



0.2977, 0.1476, 0.2802

Inverse Universe

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



16.2984, 8.2177, 9.1147



29.0875, 14.6758, 15.7904



18.7149, 27.8778, 35.6848



7.2208, 7.1448, 8.1494



13.0372, 6.5710, 7.3867



0.2977, 0.1476, 0.2802

Previews

White Background



This preview shows how the XYZ color 16.2982, 8.2172, 9.1146 looks on a white background.

Color Contrast Check

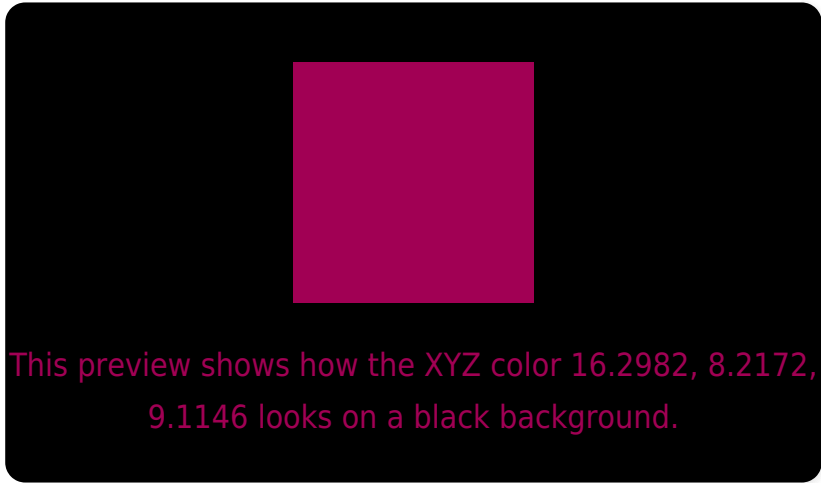
Large Text (above 18pt) WCAG AA ✓ Pass

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

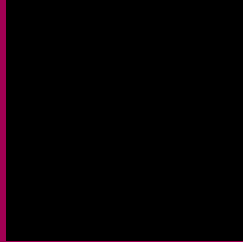
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.2982, 8.2172, 9.1146

Background



This preview shows how black text looks on a background with the XYZ color 16.2982, 8.2172, 9.1146.



This preview shows how white text looks on a background with the XYZ color 16.2982, 8.2172,

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

16.2982, 8.2172, 9.1146

Protanopia

9.2169, 8.9447, 19.3299

Deuteranopia

9.0013, 8.8536, 8.2557



Tritanopia

15.1307, 8.5741, 2.3709

Trichromacy



Original Color

16.2982, 8.2172, 9.1146

Protanomaly

9.6888, 6.5720, 14.9452

Deuteranomaly

10.2837, 6.9571, 8.3903

Tritanomaly

15.3852, 8.2578, 4.0318

Monochromacy



Original Color

16.2982, 8.2172, 9.1146

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

6.3940, 4.1613, 5.7764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2982, 8.2172, 9.1146 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(161, 0, 84)` looks like.

```
.text, #text, p{  
  color:rgb(161, 0, 84)  
}
```

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(161, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 0, 84) }
```

Border

The CSS property to change the border of an element to XYZ 16.2982, 8.2172, 9.1146 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(161, 0, 84) }
```


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

```
.border{ border-color:rgb(161, 0, 84) }
```

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

Here you see how a box with a 4 pixel rgb(161, 0, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(161, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.2982, 8.2172, 9.1146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 0, 84) }
```

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

```
.background{ background-color: rgb(161, 0,  
84) }
```

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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