

Converting Colors

XYZ(18.9776, 9.0945, 32.0083)

Have a look what the booklet for
XYZ(18.9776, 9.0945, 32.0083)
contains.

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Color

**XYZ(18.9496, 9.0757,
32.2055)**

Conversions

Conversions Part 1

Format	Color
Hex	98009C
RGB	152, 0, 156
RGB Percent	60%, 0%, 61%
CMY	0.4039, 0.9999, 0.3882
CMYK	0.03, 1.00, 0.00, 0.39
HSL	298°, 100%, 31%
HSV	298°, 100%, 61%
XYZ	18.9496, 9.0757, 32.2055
YIQ	63.2320, 40.5160, 80.7400

Conversions

Conversions Part 2

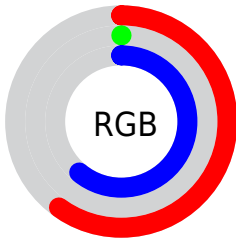
Format	Color
R_{YB}	152, 0, 156
Decimal	9961628
CIE _{Lab}	36.13, 67.40, -43.38
CIE _{LCh}	36, 80.150, 327.235
Yxy	9.0757, 0.3146, 0.1507
Android (android.graphics.Color)	4288151708 (0xFF98009C)
YUV	63.2320, 45.7346, 77.8495
Hunter-Lab	30.1259, 59.5586, -42.2947

Details

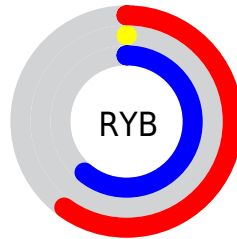
The XYZ color **18.9496, 9.0757, 32.2055** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **11.9388, 23.8030, 3.9656**, and the grayscale version is **4.6907, 4.9350, 5.3742**.

A 20% lighter version of the original color is **41.1322, 23.9968, 64.0919**, and **7.3226, 3.4863, 13.3837** is the 20% darker color. If you saturate the color by 10%, you get **18.9497, 9.0758, 32.2056**, and if you desaturate by 10%, it is **19.2045, 9.4737, 32.2690**.

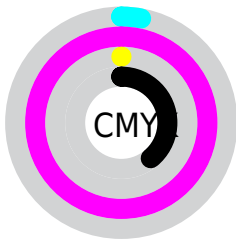
Distribution



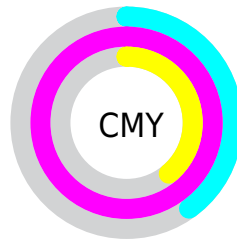
- Red (60%)
- Green (0%)
- Blue (61%)



- Red (60%)
- Yellow (0%)
- Blue (61%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (39%)




- Cyan (40%)
- Magenta (100%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9496, 9.0757, 32.2055 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 18.9496, 9.0757, 32.2055 by changing the saturation by 10% instead.


 18.9496, 9.0757,
32.2055


 18.9496, 9.0757,
32.2055


239.1138,
183.9416, 326.5758

 11.7377, 4.7906,
21.2524


 41.1664, 24.0418,
64.2348

 6.6362, 2.1249,
13.1156


 56.9021, 35.4916,
86.1480


 3.2800, 0.6786,
7.3765


 76.2096, 50.0984,
112.5517

 1.3035, 0.0000,
3.6167

 99.4545, 68.2467,
143.8644

 0.1858, 0.0000,
1.4175

 127.0019, 90.3207,
180.5046

 0.0000, 0.0000,
0.1553

 159.2174,

 0.0000, 0.0000,

116.7049, 222.8909

0.0000

196.4663,
147.7838, 271.4418

■ 18.9496, 9.0757,
32.2055

■ 18.9496, 9.0757,
32.2055

■ 18.9497, 9.0758,
32.2056

■ 19.2045, 9.4737,
32.2690

■ 19.5957, 10.1445,
32.3779

■ 20.1847, 11.2105,
32.5526

■ 20.9966, 12.7218,
32.8015

■ 22.0528, 14.7213,
33.1318

■ 23.3722, 17.2469,
33.5497

■ 24.9717, 20.3324,
34.0610

■ 26.8671, 24.0093,
34.6708

■ 29.0728, 28.3062,
35.3839

Harmonies

Analogous

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



13.5778, 9.0757, 56.9520



18.9496, 9.0757, 32.2055



21.5217, 9.0757, 11.2130

Triad

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



18.9496, 9.0757, 32.2055



9.0792, 9.0757, 0.0000



2.7465, 9.0757, 27.5895

Complementary

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



18.9496, 9.0757, 32.2055



11.9388, 23.8030, 3.9656

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.



2.3009, 9.0757, 8.6606



18.9496, 9.0757, 32.2055



5.0538, 9.0757, 0.0000

Square

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



18.9496, 9.0757, 32.2055



14.6485, 9.0757, 0.0000



2.9594, 9.0757, 1.3686



4.5327, 9.0757, 52.9498

Rectangle

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



18.9496, 9.0757, 32.2055



20.7875, 9.0757, 3.9363



2.9594, 9.0757, 1.3686



2.4722, 9.0757, 19.9667

Sweetspot

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



18.9500, 9.0761, 32.2057



45.1654, 36.5613, 61.8033



6.0576, 2.5136, 31.6185



9.6781, 7.5422, 13.5161



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.9500, 9.0761, 32.2057



34.3912, 16.4702, 58.4932



15.2799, 7.6960, 8.9058



6.8873, 6.7459, 8.3458



15.6134, 7.4780, 26.5277



0.2839, 0.1361, 0.4745

Inverse Universe

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



13.7325, 7.0771, 0.7575



24.9305, 12.8488, 1.3163



13.0849, 24.2556, 10.2622



6.6396, 6.6488, 6.9533



11.3132, 5.8298, 0.6341



0.2041, 0.1050, 0.0208

Previews

White Background



This preview shows how the XYZ color 18.9496, 9.0757, 32.2055 looks on a white background.

Color Contrast Check

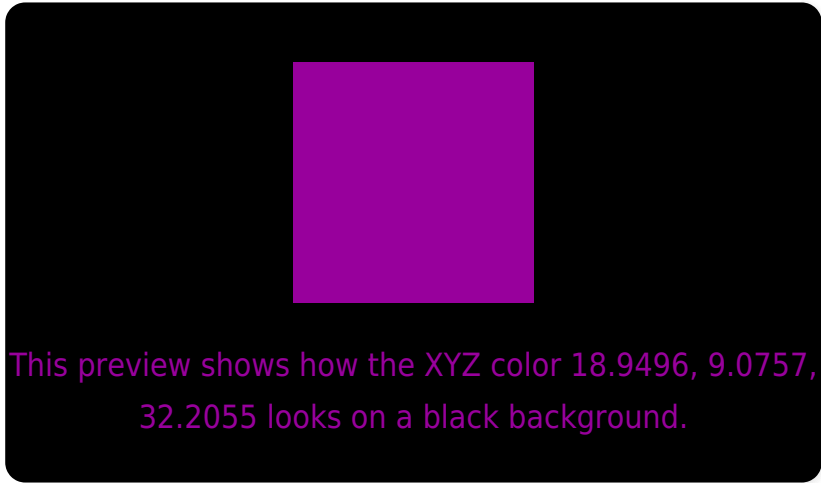
Large Text (above 18pt) WCAG AA ✓ Pass

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

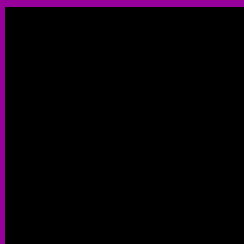
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.9496, 9.0757, 32.2055

Background



This preview shows how black text looks on a background with the XYZ color 18.9496, 9.0757, 32.2055.



This preview shows how white text looks on a background with the XYZ color 18.9496, 9.0757,

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

18.9496, 9.0757, 32.2055

Protanopia

11.3852, 9.7517, 43.9300

Deuteranopia

9.9751, 9.7144, 28.9531



Tritanopia

13.7782, 9.4699, 6.1027

Trichromacy



Original Color

18.9496, 9.0757, 32.2055



Protanomaly

10.2454, 6.3908, 39.2216



Deuteranomaly

10.7569, 7.0088, 29.6400



Tritanomaly

14.7842, 8.4439, 12.4059

Monochromacy



Original Color

18.9496, 9.0757, 32.2055



Achromatopsia

4.7246, 4.9707, 5.4130



Achromatomaly

7.6358, 4.8135, 11.8359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9496, 9.0757, 32.2055 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(152, 0, 156)` looks like.

```
.text, #text, p{  
    color:rgb(152, 0, 156)  
}
```

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(152, 0, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 0, 156) }
```

Border

The CSS property to change the border of an element to XYZ 18.9496, 9.0757, 32.2055 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(152, 0, 156) }
```


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

```
.border{ border-color:rgb(152, 0, 156) }
```

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

Here you see how a box with a 4 pixel rgb(152, 0, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 0, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 0, 156);  
box-shadow:4px 4px 4px 4px rgb(152, 0,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9496, 9.0757, 32.2055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 0, 156) }
```

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

```
.background{ background-color: rgb(152, 0,  
156) }
```

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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