

Converting Colors

XYZ(18.0067, 9.9986, 22.6190)

Have a look what the booklet for
XYZ(18.0067, 9.9986, 22.6190)
contains.

XYZ(18.0265, 9.9969, 22.4522)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.0265, 9.9969,
22.4522)**

Conversions

Conversions Part 1

Format	Color
Hex	992983
RGB	153, 41, 131
RGB Percent	60%, 16%, 51%
CMY	0.4000, 0.8392, 0.4863
CMYK	0.00, 0.73, 0.14, 0.40
HSL	312°, 58%, 38%
HSV	312°, 73%, 60%
XYZ	18.0265, 9.9969, 22.4522
YIQ	84.7480, 37.8620, 51.7340

Conversions

Conversions Part 2

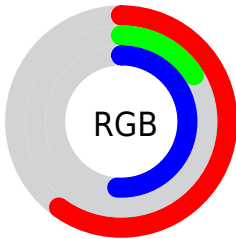
Format	Color
RYB	153, 41, 131
Decimal	10037635
CIELab	37.84, 55.22, -25.34
CIELCh	38, 60.752, 335.353
Yxy	9.9969, 0.3571, 0.1981
Android (android.graphics.Color)	4288227715 (0xFF992983)
YUV	84.7480, 22.8022, 59.8570
Hunter-Lab	31.6179, 46.4381, -19.9700

Details

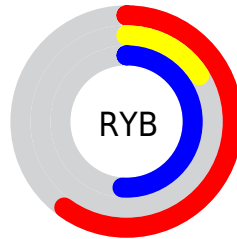
The XYZ color **18.0265, 9.9969, 22.4522** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.2034, 23.6131, 8.5655**, and the grayscale version is **8.5311, 8.9754, 9.7742**.

A 20% lighter version of the original color is **39.5048, 25.7117, 48.2281**, and **6.5222, 3.1908, 8.0567** is the 20% darker color. If you saturate the color by 10%, you get **17.3958, 9.0566, 21.2515**, and if you desaturate by 10%, it is **18.8695, 11.3519, 23.7530**.

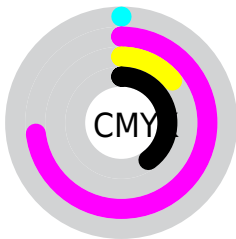
Distribution



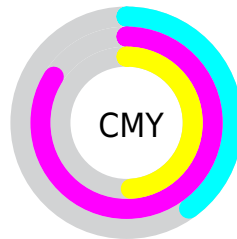
- Red (60%)
- Green (16%)
- Blue (51%)



- Red (60%)
- Yellow (16%)
- Blue (51%)



- Cyan (0%)
- Magenta (73%)
- Yellow (14%)
- Black (40%)




- Cyan (40%)
- Magenta (84%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0265, 9.9969, 22.4522 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 18.0265, 9.9969, 22.4522 by changing the saturation by 10% instead.


 18.0265, 9.9969,
22.4522


 18.0265, 9.9969,
22.4522


234.0631,
190.6499, 277.9289


 11.0688, 5.3969,
13.9881


 39.6122, 25.7897,
48.4040


 6.1808, 2.4820,
7.9737


 54.9709, 37.7512,
66.7287

 2.9970, 0.8676,
3.9906

 73.8607, 52.9354,
89.1774

 1.1522, 0.0000,
1.6202

 96.6469, 71.7267,
116.1686

 0.0681, 0.0000,
0.3052

 123.6949, 94.5094,
148.1208

 0.0000, 0.0000,
0.0000

 155.3700,

121.6679, 185.4525

192.0376,
153.5866, 228.5824

■ 18.0265, 9.9969,
22.4522

■ 18.0265, 9.9969,
22.4522

■ 17.3958, 9.0566,
21.2515

■ 18.8695, 11.3519,
23.7530

■ 16.9509, 8.4787,
20.1415

■ 19.9451, 13.1629,
25.1606

■ 16.7086, 8.2010,
19.4231

■ 21.2725, 15.4676,
26.6818

■ 22.8683, 18.2997,
28.3224

■ 24.7479, 21.6896,
30.0877

■ 26.9256, 25.6656,
31.9826

■ 29.4143, 30.2541,
34.0118

■ 32.2267, 35.4796,
36.1797

■ 35.3743, 41.3657,
38.4903

Harmonies

Analogous

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



14.5068, 9.9969, 39.2777



18.0265, 9.9969, 22.4522



19.0369, 9.9969, 9.0105

Triad

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



18.0265, 9.9969, 22.4522



8.8225, 9.9969, 0.3320



4.6223, 9.9969, 28.5255

Complementary

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



18.0265, 9.9969, 22.4522



13.2034, 23.6131, 8.5655

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.



3.8401, 9.9969, 13.0028



18.0265, 9.9969, 22.4522



5.8048, 9.9969, 1.1028

Square

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



18.0265, 9.9969, 22.4522



12.9661, 9.9969, 0.7004



4.2049, 9.9969, 4.1833



6.7170, 9.9969, 44.1573

Rectangle

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



18.0265, 9.9969, 22.4522



17.9671, 9.9969, 4.0586



4.2049, 9.9969, 4.1833



4.2275, 9.9969, 22.8407

Sweetspot

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



18.0268, 9.9974, 22.4524



44.5992, 39.3494, 54.1343



8.5008, 4.8956, 30.6340



9.6536, 8.3363, 11.7773



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.0268, 9.9974, 22.4524



30.5982, 15.4753, 36.7414



15.2511, 8.8871, 7.8353



6.4092, 6.3028, 7.5349



13.8211, 6.7827, 16.1149



0.2184, 0.1061, 0.3032

Inverse Universe

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



18.0268, 9.9974, 22.4524



30.5982, 15.4753, 36.7414



15.5485, 24.5511, 20.9146



6.4092, 6.3028, 7.5349



13.8211, 6.7827, 16.1149



0.2184, 0.1061, 0.3032

Previews

White Background



This preview shows how the XYZ color 18.0265, 9.9969, 22.4522 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



This preview shows how the XYZ color 18.0265, 9.9969, 22.4522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

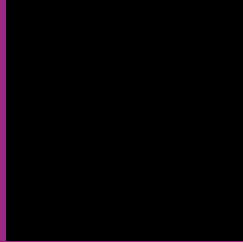
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.0265, 9.9969, 22.4522

Background



This preview shows how black text looks on a background with the XYZ color 18.0265, 9.9969, 22.4522.



This preview shows how white text looks on a background with the XYZ color 18.0265, 9.9969,

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

18.0265, 9.9969, 22.4522

Protanopia

11.7461, 10.2766, 39.3947

Deuteranopia

10.4349, 10.2623, 20.4996



Tritanopia

14.7386, 10.0416, 6.3157

Trichromacy



Original Color

18.0265, 9.9969, 22.4522

Protanomaly

11.8471, 8.6654, 32.5007

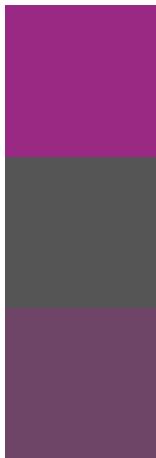
Deuteranomaly

12.0920, 9.2312, 21.2232

Tritanomaly

15.5591, 9.7661, 10.7378

Monochromacy



Original Color

18.0265, 9.9969, 22.4522

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

10.9568, 8.5305, 13.6394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0265, 9.9969, 22.4522 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(153, 41, 131)` looks like.

```
.text, #text, p{  
    color:rgb(153, 41, 131)  
}
```

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(153, 41, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 41, 131) }
```

Border

The CSS property to change the border of an element to XYZ 18.0265, 9.9969, 22.4522 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(153, 41, 131) }
```


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

```
.border{ border-color:rgb(153, 41, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 41, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 41, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 41, 131);  
box-shadow:4px 4px 4px 4px rgb(153, 41,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0265, 9.9969, 22.4522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 41, 131) }
```

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

```
.background{ background-color: rgb(153, 41,  
131) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor