

Converting Colors

XYZ(19.2691, 9.4525, 22.6387)

Have a look what the booklet for
XYZ(19.2691, 9.4525, 22.6387)
contains.

XYZ(19.2691, 9.4525, 22.6387)	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(19.2691, 9.4525,
22.6387)**

Conversions

Conversions Part 1

Format	Color
Hex	A30084
RGB	163, 0, 132
RGB Percent	64%, 0%, 52%
CMY	0.3608, 0.9999, 0.4824
CMYK	0.00, 1.00, 0.19, 0.36
HSL	311°, 100%, 32%
HSV	311°, 100%, 64%
XYZ	19.2691, 9.4525, 22.6387
YIQ	63.7850, 54.7760, 75.6080

Conversions

Conversions Part 2

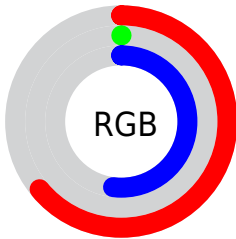
Format	Color
RYB	163, 0, 132
Decimal	10682500
CIELab	36.84, 65.96, -27.38
CIElCh	37, 71.419, 337.459
Yxy	9.4525, 0.3752, 0.1840
Android (android.graphics.Color)	4288872580 (0xFFA30084)
YUV	63.7850, 33.6300, 87.0116
Hunter-Lab	30.7449, 58.0697, -22.1361

Details

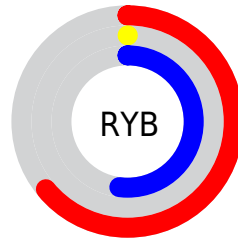
The XYZ color **19.2691, 9.4525, 22.6387** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **13.3451, 26.2937, 5.6697**, and the grayscale version is **4.7886, 5.0380, 5.4864**.

A 20% lighter version of the original color is **41.7498, 24.7697, 48.4795**, and **7.4668, 3.6734, 8.2981** is the 20% darker color. If you saturate the color by 10%, you get **19.2689, 9.4524, 22.6373**, and if you desaturate by 10%, it is **19.6747, 9.9189, 23.8364**.

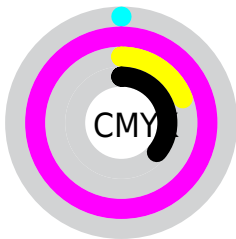
Distribution



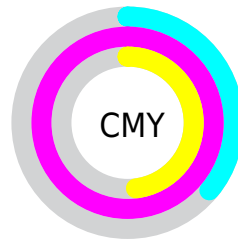
- Red (64%)
- Green (0%)
- Blue (52%)



- Red (64%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (36%)




- Cyan (36%)
- Magenta (100%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.2691, 9.4525, 22.6387 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 19.2691, 9.4525, 22.6387 by changing the saturation by 10% instead.


 19.2691, 9.4525,
22.6387


 19.2691, 9.4525,
22.6387


240.8400,
186.7186, 278.9253


 11.9700, 5.0375,
14.1242


 41.7017, 24.7605,
48.7150


 6.7953, 2.2693,
8.0673


 57.5659, 36.4223,
67.1139


 3.3796, 0.7574,
4.0497

 77.0159, 51.2684,
89.6447

 1.3576, 0.0000,
1.6526

 100.4171, 69.6833,
116.7258

 0.2257, 0.0000,
0.3280

 128.1347, 92.0514,
148.7759

 0.0000, 0.0000,
0.0000

 160.5342,

118.7570, 186.2135

197.9808,
150.1846, 229.4572

■ 19.2691, 9.4525,
22.6387

■ 19.2691, 9.4525,
22.6387

■ 19.2689, 9.4524,
22.6373

■ 19.6747, 9.9189,
23.8364

■ 20.2398, 10.6942,
25.1186

■ 21.0296, 11.9088,
26.5073

■ 22.0722, 13.6187,
28.0122

■ 23.3917, 15.8718,
29.6416

■ 25.0091, 18.7102,
31.4026

■ 26.9435, 22.1720,
33.3020

■ 29.2123, 26.2921,
35.3457

■ 31.8317, 31.1025,
37.5394

Harmonies

Analogous

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



15.1670, 9.4525, 43.9413



19.2691, 9.4525, 22.6387



20.2398, 9.4525, 7.4590

Triad

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



19.2691, 9.4525, 22.6387



7.9313, 9.4525, 0.0000



3.8069, 9.4525, 33.1471

Complementary

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



19.2691, 9.4525, 22.6387



13.3451, 26.2937, 5.6697

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.



2.9397, 9.4525, 13.7648



19.2691, 9.4525, 22.6387



4.7621, 9.4525, 0.4773

Square

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



19.2691, 9.4525, 22.6387



12.6293, 9.4525, 0.0000



3.2209, 9.4525, 3.5224



6.1183, 9.4525, 52.7399

Rectangle

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



19.2691, 9.4525, 22.6387



18.7639, 9.4525, 2.6795



3.2209, 9.4525, 3.5224



3.3780, 9.4525, 25.9736

Sweetspot

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



19.2694, 9.4530, 22.6389



48.0402, 39.3237, 59.4403



7.1437, 2.9194, 34.8375



10.4646, 8.2479, 13.0378



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.



19.2694, 9.4530, 22.6389



34.4387, 16.9003, 40.1713



15.7161, 8.0317, 3.9275



7.3063, 7.1790, 8.5993



14.9912, 7.3525, 17.6762



0.3290, 0.1601, 0.4454

Inverse Universe

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



19.2694, 9.4530, 22.6389



34.4387, 16.9003, 40.1713



15.9883, 27.3510, 19.5885



7.3063, 7.1790, 8.5993



14.9912, 7.3525, 17.6762



0.3290, 0.1601, 0.4454

Previews

White Background



This preview shows how the XYZ color 19.2691, 9.4525, 22.6387 looks on a white background.

Color Contrast Check

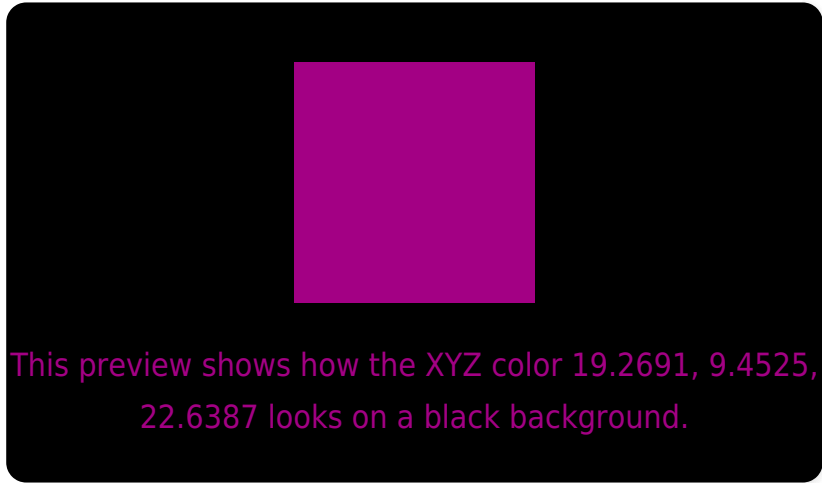
Large Text (above 18pt) WCAG AA ✓ Pass

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

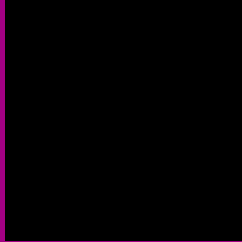
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.2691, 9.4525, 22.6387

Background



This preview shows how black text looks on a background with the XYZ color 19.2691, 9.4525, 22.6387.



This preview shows how white text looks on a background with the XYZ color 19.2691, 9.4525,

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

19.2691, 9.4525, 22.6387

Protanopia

11.9795, 10.1163, 46.6686

Deuteranopia

10.2697, 10.0544, 20.4682



Tritanopia

15.8222, 9.8999, 4.6914

Trichromacy



Original Color

19.2691, 9.4525, 22.6387

Protanomaly

9.9614, 6.3788, 36.3035

Deuteranomaly

11.5516, 7.6119, 20.9391

Tritanomaly

16.4033, 9.0832, 9.0723

Monochromacy



Original Color

19.2691, 9.4525, 22.6387

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.8516, 5.0165, 10.0056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2691, 9.4525, 22.6387 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, 0, 132)` looks like.

```
.text, #text, p{  
    color:rgb(163, 0, 132)  
}
```

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, 0, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 132) }
```

Border

The CSS property to change the border of an element to XYZ 19.2691, 9.4525, 22.6387 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, 0, 132) }
```


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

```
.border{ border-color:rgb(163, 0, 132) }
```

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

Here you see how a box with a 4 pixel rgb(163, 0, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 132);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2691, 9.4525, 22.6387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 132) }
```

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

```
.background{ background-color: rgb(163, 0,  
132) }
```

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