

Converting Colors

XYZ(19.8434, 13.9798, 24.1781)

Have a look what the booklet for
XYZ(19.8434, 13.9798, 24.1781)
contains.

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Color

**XYZ(19.9342, 14.0379,
24.2132)**

Conversions

Conversions Part 1

Format	Color
Hex	975086
RGB	151, 80, 134
RGB Percent	59%, 31%, 53%
CMY	0.4078, 0.6863, 0.4745
CMYK	0.00, 0.47, 0.11, 0.41
HSL	314°, 31%, 45%
HSV	314°, 47%, 59%
XYZ	19.9342, 14.0379, 24.2132
YIQ	107.3850, 24.9820, 31.8460

Conversions

Conversions Part 2

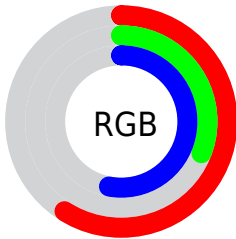
Format	Color
RYB	151, 80, 134
Decimal	9916550
CIELab	44.29, 37.21, -17.23
CIELCh	44, 41.004, 335.158
Yxy	14.0379, 0.3426, 0.2413
Android (android.graphics.Color)	4288106630 (0xFF975086)
YUV	107.3850, 13.1212, 38.2504
Hunter-Lab	37.4672, 29.4023, -12.0892

Details

The XYZ color **19.9342, 14.0379, 24.2132** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.5332, 24.7021, 15.2069**, and the grayscale version is **14.0423, 14.7736, 16.0885**.

A 20% lighter version of the original color is **42.8181, 33.0859, 51.1432**, and **7.1015, 4.1653, 8.8172** is the 20% darker color. If you saturate the color by 10%, you get **18.7025, 11.9710, 22.5797**, and if you desaturate by 10%, it is **21.4239, 16.6065, 25.9755**.

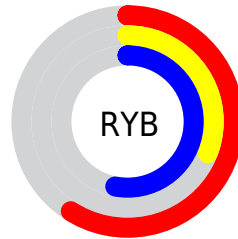
Distribution



Red (59%)

Green (31%)

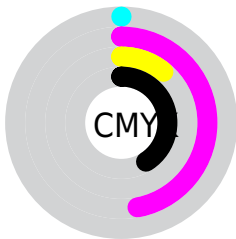
Blue (53%)



Red (59%)

Yellow (31%)

Blue (53%)

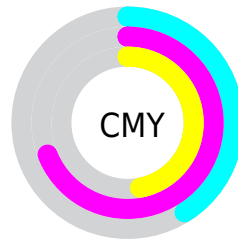


Cyan (0%)

Magenta (47%)

Yellow (11%)

Black (41%)



Cyan (41%)

Magenta (69%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9342, 14.0379, 24.2132 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 19.9342, 14.0379, 24.2132 by changing the saturation by 10% instead.

■ 19.9342, 14.0379,
24.2132

■ 19.9342, 14.0379,
24.2132

244.3990,
217.4665, 287.2178

■ 12.4552, 8.1470,
15.2782

■ 42.8116, 33.1563,
51.3261

■ 7.1289, 4.1892,
8.8661

■ 58.9408, 47.1525,
70.3410

■ 3.5899, 1.7799,
4.5583

■ 78.6840, 64.6194,
93.5530

■ 1.4728, 0.4746,
1.9364

■ 102.4067, 85.9413,
121.3806

■ 0.3072, 0.0000,
0.5157

■ 130.4742,
111.5025, 154.2423

■ 0.0000, 0.0000,
0.0000

163.2518,

141.6875, 192.5568

201.1050,
176.8807, 236.7424

■ 19.9342, 14.0379,
24.2132

■ 19.9342, 14.0379,
24.2132

■ 18.7025, 11.9710,
22.5797

■ 21.4239, 16.6065,
25.9755

■ 17.7105, 10.3701,
21.0681

■ 23.1856, 19.7054,
27.8713

■ 16.9397, 9.1980,
19.6719

■ 25.2339, 23.3634,
29.9061

■ 16.3680, 8.4107,
18.3833

■ 27.5819, 27.6068,
32.0845

■ 15.9593, 7.9363,
17.1900

■ 30.2420, 32.4599,
34.4111

■ 15.8481, 7.8135,
16.8454

■ 33.2258, 37.9460,
36.8901

■ 36.5442, 44.0868,
39.5257

■ 40.2079, 50.9033,
42.3216

■ 44.2267, 58.4153,
45.2816

Harmonies

Analogous

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



17.3201, 14.0379, 35.3560



19.9342, 14.0379, 24.2132



20.6735, 14.0379, 13.7155

Triad

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



19.9342, 14.0379, 24.2132



12.7827, 14.0379, 3.4204



8.8163, 14.0379, 28.2464

Complementary

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



19.9342, 14.0379, 24.2132



16.5332, 24.7021, 15.2069

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.



7.9889, 14.0379, 16.9696



19.9342, 14.0379, 24.2132



10.0260, 14.0379, 4.7529

Square

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



19.9342, 14.0379, 24.2132



16.1759, 14.0379, 4.0449



8.3925, 14.0379, 8.8754



10.8611, 14.0379, 38.2775

Rectangle

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



19.9342, 14.0379, 24.2132



19.9149, 14.0379, 8.8125



8.3925, 14.0379, 8.8754



8.4033, 14.0379, 24.3366

Sweetspot

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



19.9346, 14.0386, 24.2135



46.2871, 43.8146, 54.5997



13.3390, 10.4902, 30.6000



10.3372, 9.6285, 12.2361



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.



19.9346, 14.0386, 24.2135



33.4732, 21.4045, 40.4081



17.8806, 13.2169, 13.3972



6.3980, 6.2983, 7.4757



13.4938, 6.6517, 14.3911



0.2154, 0.1049, 0.2874

Inverse Universe

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



19.9346, 14.0386, 24.2135



33.4732, 21.4045, 40.4081



18.5448, 25.5068, 25.8001



6.3980, 6.2983, 7.4757



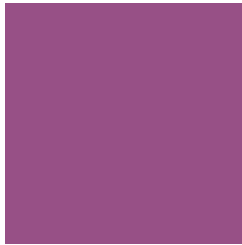
13.4938, 6.6517, 14.3911



0.2154, 0.1049, 0.2874

Previews

White Background



This preview shows how the XYZ color 19.9342, 14.0379, 24.2132 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 × Fail

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 19.9342, 14.0379, 24.2132

Background



This preview shows how black text looks on a background with the XYZ color 19.9342, 14.0379, 24.2132.



This preview shows how white text looks on a background with the XYZ color 19.9342, 14.0379,

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

19.9342, 14.0379, 24.2132

Protanopia

14.8343, 14.3413, 31.6921

Deuteranopia

14.4730, 14.1958, 23.0963



Tritanopia

17.5879, 14.0087, 12.6034

Trichromacy



Original Color

19.9342, 14.0379, 24.2132

Protanomaly

15.8851, 13.6735, 28.5901

Deuteranomaly

15.9347, 13.8162, 23.2997

Tritanomaly

18.2216, 13.8970, 16.1900

Monochromacy



Original Color

19.9342, 14.0379, 24.2132

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.6540, 14.0447, 18.7155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9342, 14.0379, 24.2132 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(151, 80, 134)` looks like.

```
.text, #text, p{  
    color:rgb(151, 80, 134)  
}
```

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(151, 80, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 80, 134) }
```

Border

The CSS property to change the border of an element to XYZ 19.9342, 14.0379, 24.2132 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(151, 80, 134) }
```


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

```
.border{ border-color:rgb(151, 80, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 80, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 80, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 80, 134);  
box-shadow:4px 4px 4px 4px rgb(151, 80,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9342, 14.0379, 24.2132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 80, 134) }
```

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

```
.background{ background-color: rgb(151, 80,  
134) }
```

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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