

Converting Colors

XYZ(19.9831, 13.8609, 25.0109)

Have a look what the booklet for
XYZ(19.9831, 13.8609, 25.0109)
contains.

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Color

**XYZ(19.9308, 13.8057,
24.9068)**

Conversions

Conversions Part 1

Format	Color
Hex	974E88
RGB	151, 78, 136
RGB Percent	59%, 31%, 53%
CMY	0.4078, 0.6941, 0.4667
CMYK	0.00, 0.48, 0.10, 0.41
HSL	312°, 32%, 45%
HSV	312°, 48%, 59%
XYZ	19.9308, 13.8057, 24.9068
YIQ	106.4390, 24.8900, 33.5140

Conversions

Conversions Part 2

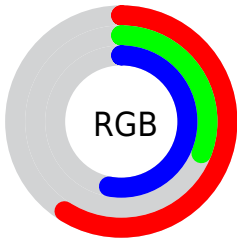
Format	Color
R_{YB}	151, 78, 136
Decimal	9916040
CIE _{Lab}	43.95, 38.63, -18.95
CIE _{LCh}	44, 43.030, 333.874
Yxy	13.8057, 0.3399, 0.2354
Android (android.graphics.Color)	4288106120 (0xFF974E88)
YUV	106.4390, 14.5736, 39.0800
Hunter-Lab	37.1560, 30.7258, -13.7347

Details

The XYZ color **19.9308, 13.8057, 24.9068** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **16.1849, 24.5436, 14.2413**, and the grayscale version is **13.7770, 14.4945, 15.7845**.

A 20% lighter version of the original color is **42.7677, 32.6400, 52.1902**, and **7.1320, 4.0991, 9.2194** is the 20% darker color. If you saturate the color by 10%, you get **18.7613, 11.8144, 23.4447**, and if you desaturate by 10%, it is **21.3539, 16.2935, 26.4852**.

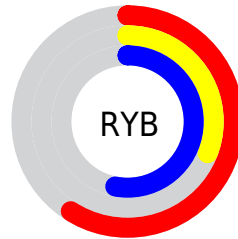
Distribution



Red (59%)

Green (31%)

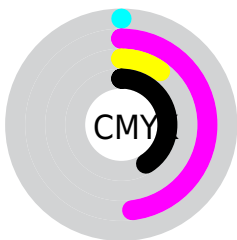
Blue (53%)



Red (59%)

Yellow (31%)

Blue (53%)

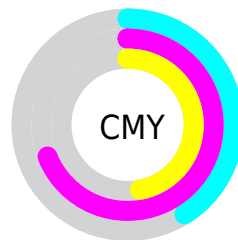


Cyan (0%)

Magenta (48%)

Yellow (10%)

Black (41%)



Cyan (41%)

Magenta (69%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9308, 13.8057, 24.9068 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 19.9308, 13.8057, 24.9068 by changing the saturation by 10% instead.

■ 19.9308, 13.8057,
24.9068

■ 19.9308, 13.8057,
24.9068

244.3810,
216.0187, 290.8063

■ 12.4527, 7.9857,
15.7892

■ 42.8060, 32.7439,
52.4682

■ 7.1272, 4.0858,
9.2224

■ 58.9338, 46.6308,
71.7492

■ 3.5888, 1.7217,
4.7877

■ 78.6755, 63.9754,
95.2550

■ 1.4722, 0.4376,
2.0667

■ 102.3966, 85.1622,
123.4043

■ 0.3068, 0.0000,
0.5959

■ 130.4623,
110.5756, 156.6155

■ 0.0000, 0.0000,
0.0000

163.2380,

140.5998, 195.3072

201.0891,
175.6194, 239.8979

■ 19.9308, 13.8057,
24.9068

■ 19.9308, 13.8057,
24.9068

■ 18.7613, 11.8144,
23.4447

■ 21.3539, 16.2935,
26.4852

■ 17.8270, 10.2835,
22.0922

■ 23.0447, 19.3069,
28.1844

■ 17.1090, 9.1750,
20.8426

■ 25.0181, 22.8748,
30.0099

■ 16.5846, 8.4441,
19.6884

■ 27.2872, 27.0238,
31.9662

■ 16.2095, 8.0016,
18.6144

■ 29.8644, 31.7785,
34.0578

■ 16.1510, 7.9347,
18.4404

■ 32.7615, 37.1622,
36.2887

■ 35.9893, 43.1968,
38.6629

■ 39.5586, 49.9034,
41.1842

■ 43.4793, 57.3020,
43.8561

Harmonies

Analogous

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



17.1250, 13.8057, 36.6265



19.9308, 13.8057, 24.9068



20.8086, 13.8057, 13.7992

Triad

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



19.9308, 13.8057, 24.9068



12.6841, 13.8057, 3.0043



8.3973, 13.8057, 28.1109

Complementary

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



19.9308, 13.8057, 24.9068



16.1849, 24.5436, 14.2413

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.



7.6083, 13.8057, 16.3363



19.9308, 13.8057, 24.9068



9.7970, 13.8057, 4.2120

Square

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



19.9308, 13.8057, 24.9068



16.2252, 13.8057, 3.6920



8.0727, 13.8057, 8.1881



10.4419, 13.8057, 38.9712

Rectangle

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



19.9308, 13.8057, 24.9068



20.0751, 13.8057, 8.6425



8.0727, 13.8057, 8.1881



7.9942, 13.8057, 23.9818

Sweetspot

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



19.9312, 13.8063, 24.9071



45.9829, 43.1134, 54.7842



12.7848, 9.9903, 30.5328



10.2791, 9.4852, 12.3003



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.



19.9312, 13.8063, 24.9071



33.4465, 20.9031, 41.7806



17.7829, 12.9470, 13.5938



6.4068, 6.3019, 7.5224



13.7504, 6.7544, 15.7423



0.2178, 0.1059, 0.2998

Inverse Universe

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



19.9312, 13.8063, 24.9071



33.4465, 20.9031, 41.7806



18.1781, 25.3409, 24.7375



6.4068, 6.3019, 7.5224



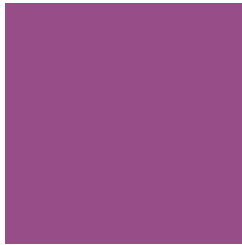
13.7504, 6.7544, 15.7423



0.2178, 0.1059, 0.2998

Previews

White Background



This preview shows how the XYZ color 19.9308, 13.8057, 24.9068 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



This preview shows how the XYZ color 19.9308, 13.8057, 24.9068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

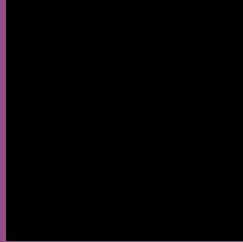
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9308, 13.8057, 24.9068

Background



This preview shows how black text looks on a background with the XYZ color 19.9308, 13.8057, 24.9068.



This preview shows how white text looks on a background with the XYZ color 19.9308, 13.8057,

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

19.9308, 13.8057, 24.9068

Protanopia

14.6971, 14.0933, 32.9560

Deuteranopia

14.1718, 13.8780, 23.7616



Tritanopia

17.2826, 13.7355, 12.3300

Trichromacy



Original Color

19.9308, 13.8057, 24.9068

Protanomaly

15.7784, 13.4585, 29.7831

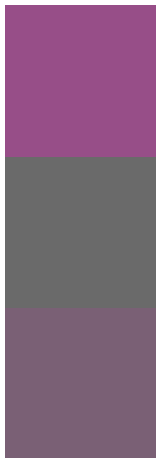
Deuteranomaly

15.7557, 13.4441, 23.9549

Tritanomaly

18.1434, 13.7407, 16.1640

Monochromacy



Original Color

19.9308, 13.8057, 24.9068

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.4198, 13.7877, 18.6782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9308, 13.8057, 24.9068 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, 78, 136)` looks like.

```
.text, #text, p{  
    color:rgb(151, 78, 136)  
}
```

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, 78, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 78, 136) }
```

Border

The CSS property to change the border of an element to XYZ 19.9308, 13.8057, 24.9068 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, 78, 136) }
```


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

```
.border{ border-color:rgb(151, 78, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 78, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 78, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 78, 136);  
box-shadow:4px 4px 4px 4px rgb(151, 78,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9308, 13.8057, 24.9068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 78, 136) }
```

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

```
.background{ background-color: rgb(151, 78,  
136) }
```

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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