

Converting Colors

XYZ(24.8415, 20.7144, 38.4990)

Have a look what the booklet for
XYZ(24.8415, 20.7144, 38.4990)
contains.

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Color

**XYZ(24.9094, 20.8228,
38.3036)**

Conversions

Conversions Part 1

Format	Color
Hex	9471A5
RGB	148, 113, 165
RGB Percent	58%, 44%, 65%
CMY	0.4196, 0.5568, 0.3529
CMYK	0.10, 0.32, 0.00, 0.35
HSL	280°, 22%, 55%
HSV	280°, 32%, 65%
XYZ	24.9094, 20.8228, 38.3036
YIQ	129.3930, 4.1680, 23.5920

Conversions

Conversions Part 2

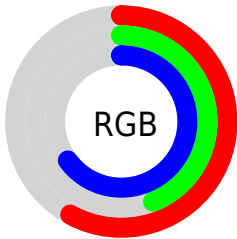
Format	Color
R_{YB}	148, 113, 165
Decimal	9728421
CIE _{Lab}	52.76, 23.61, -22.64
CIE _{LCh}	53, 32.715, 316.203
Yxy	20.8228, 0.2964, 0.2478
Android (android.graphics.Color)	4287918501 (0xFF9471A5)
YUV	129.3930, 17.5543, 16.3183
Hunter-Lab	45.6320, 17.5828, -17.8257

Details

The XYZ color **24.9094, 20.8228, 38.3036** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.6424, 32.8488, 20.6128**, and the grayscale version is **20.9440, 22.0347, 23.9958**.

A 20% lighter version of the original color is **51.0020, 44.7741, 73.6643**, and **9.6379, 7.3458, 16.5327** is the 20% darker color. If you saturate the color by 10%, you get **22.2803, 16.9792, 37.7006**, and if you desaturate by 10%, it is **27.9200, 25.3610, 39.0212**.

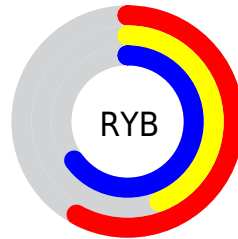
Distribution



Red (58%)

Green (44%)

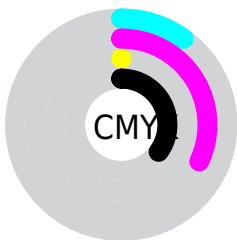
Blue (65%)



Red (58%)

Yellow (44%)

Blue (65%)

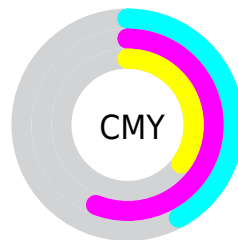


Cyan (10%)

Magenta (32%)

Yellow (0%)

Black (35%)



Cyan (42%)

Magenta (56%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9094, 20.8228, 38.3036 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 24.9094, 20.8228, 38.3036 by changing the saturation by 10% instead.

■ 24.9094, 20.8228,
38.3036

■ 24.9094, 20.8228,
38.3036

269.7424,
256.3353, 354.2577

■ 16.1379, 12.9945,
25.9147

■ 50.9542, 44.7924,
73.7818

■ 9.7133, 7.4248,
16.5347

■ 68.9582, 61.7026,
97.7083

■ 5.2701, 3.7291,
9.7449

■ 90.7704, 82.4089,
126.3177

■ 2.4430, 1.5232,
5.1267

■ 116.7562,
107.2956, 160.0285

■ 0.8666, 0.3050,
2.2618

147.2810,
136.7472, 199.2594

■ 0.0000, 0.0000,
0.7097

182.7100,

■ 0.0000, 0.0000,

171.1481, 244.4289

0.0000

223.4087,
210.8827, 295.9555

■ 24.9094, 20.8228,
38.3036

■ 24.9094, 20.8228,
38.3036

■ 22.2803, 16.9792,
37.7006

■ 27.9200, 25.3610,
39.0212

■ 20.0119, 13.7908,
37.2047

■ 31.3275, 30.6250,
39.8577

■ 18.0844, 11.2186,
36.8098

■ 35.1487, 36.6472,
40.8187

■ 16.4751, 9.2179,
36.5085

■ 39.3990, 43.4575,
41.9092

■ 15.1580, 7.7380,
36.2922

■ 44.0929, 51.0838,
43.1338

■ 14.1028, 6.7189,
36.1512

■ 49.2440, 59.5529,
44.4970

■ 13.3544, 6.0999,
36.0711

■ 54.8656, 68.8903,
46.0030

■ 60.9702, 79.1204,
47.6559

■ 65.4599, 86.0463,
48.7561

Harmonies

Analogous

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



21.6774, 20.8228, 45.8973



24.9094, 20.8228, 38.3036



26.8635, 20.8228, 27.4501

Triad

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



24.9094, 20.8228, 38.3036



21.3960, 20.8228, 8.8921



14.1410, 20.8228, 28.3243

Complementary

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



24.9094, 20.8228, 38.3036



25.6424, 32.8488, 20.6128

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.



14.0842, 20.8228, 18.4841



24.9094, 20.8228, 38.3036



18.0182, 20.8228, 9.0019

Square

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



24.9094, 20.8228, 38.3036



24.6832, 20.8228, 11.6431



15.4274, 20.8228, 12.0043



15.5929, 20.8228, 39.0999

Rectangle

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



24.9094, 20.8228, 38.3036



27.0487, 20.8228, 20.7040



15.4274, 20.8228, 12.0043



13.9644, 20.8228, 24.7620

Sweetspot

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



24.9101, 20.8237, 38.3041



57.6444, 57.2556, 71.7656



21.6295, 22.2823, 38.7585



12.4022, 12.2039, 15.6394



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.



24.9101, 20.8237, 38.3041



41.1619, 32.2260, 67.8031



27.4518, 22.2221, 34.4436



7.1382, 7.0856, 8.8945



10.1567, 4.6424, 27.2905



0.2598, 0.1214, 0.5756

Inverse Universe

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



25.4521, 21.4222, 23.9135



42.4447, 33.5653, 37.2315



23.7581, 31.8184, 23.1946



7.1648, 7.1224, 7.8543



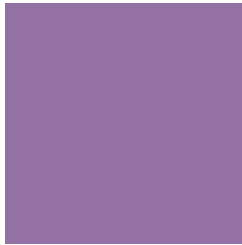
12.2624, 6.2610, 3.3067



0.2786, 0.1399, 0.1799

Previews

White Background



This preview shows how the XYZ color 24.9094, 20.8228, 38.3036 looks on a white background.

Color Contrast Check

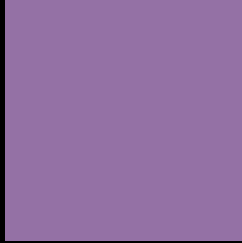
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 24.9094, 20.8228, 38.3036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

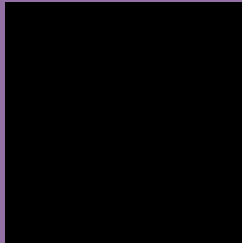
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.9094, 20.8228, 38.3036

Background



This preview shows how black text looks on a background with the XYZ color 24.9094, 20.8228, 38.3036.



This preview shows how white text looks on a background with the XYZ color 24.9094, 20.8228,

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

24.9094, 20.8228, 38.3036

Protanopia

21.5297, 20.9160, 42.9469

Deuteranopia

21.4263, 20.9816, 37.5709



Tritanopia

22.0066, 20.8576, 23.6349

Trichromacy



Original Color

24.9094, 20.8228, 38.3036

Protanomaly

22.5246, 20.7332, 41.3428

Deuteranomaly

22.6232, 20.8591, 37.9558

Tritanomaly

22.9208, 20.6953, 28.3777

Monochromacy



Original Color

24.9094, 20.8228, 38.3036

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.1188, 21.3532, 28.5470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9094, 20.8228, 38.3036 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(148, 113, 165)` looks like.

```
.text, #text, p{  
    color:rgb(148, 113, 165)  
}
```

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(148, 113, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 113, 165) }
```

Border

The CSS property to change the border of an element to XYZ 24.9094, 20.8228, 38.3036 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(148, 113, 165) }
```


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

```
.border{ border-color:rgb(148, 113, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 113, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 113, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 113, 165);  
box-shadow:4px 4px 4px 4px rgb(148, 113,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9094, 20.8228, 38.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 113, 165) }
```

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

```
.background{ background-color: rgb(148,  
113, 165) }
```

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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