

Converting Colors

XYZ(38.3898, 24.8438, 28.2164)

Have a look what the booklet for
XYZ(38.3898, 24.8438, 28.2164)
contains.

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Color

**XYZ(38.4424, 24.8073,
28.3533)**

Conversions

Conversions Part 1

Format	Color
Hex	DD5B8E
RGB	221, 91, 142
RGB Percent	87%, 36%, 56%
CMY	0.1333, 0.6431, 0.4431
CMYK	0.00, 0.59, 0.36, 0.13
HSL	336°, 66%, 61%
HSV	336°, 59%, 87%
XYZ	38.4424, 24.8073, 28.3533
YIQ	135.6840, 61.1090, 43.4210

Conversions

Conversions Part 2

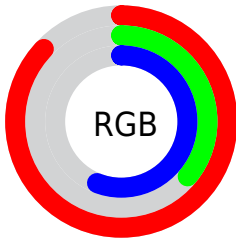
Format	Color
R_{YB}	221, 91, 142
Decimal	14506894
CIE _{Lab}	56.89, 55.60, -2.05
CIE _{LCh}	57, 55.635, 357.890
Yxy	24.8073, 0.4197, 0.2708
Android (android.graphics.Color)	4292696974 (0xFFDD5B8E)
YUV	135.6840, 3.1138, 74.8221
Hunter-Lab	49.8069, 50.6092, 1.1132

Details

The XYZ color **38.4424, 24.8073, 28.3533** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle muted rose. A complement of this color would be **37.4280, 56.8401, 47.0322**, and the grayscale version is **23.2573, 24.4685, 26.6462**.

A 20% lighter version of the original color is **61.4827, 45.8033, 57.8250**, and **17.3486, 9.4871, 11.0420** is the 20% darker color. If you saturate the color by 10%, you get **35.8752, 21.1906, 22.8186**, and if you desaturate by 10%, it is **41.6886, 29.5874, 34.7143**.

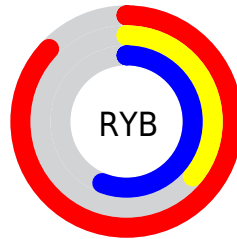
Distribution



Red (87%)

Green (36%)

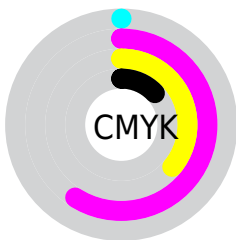
Blue (56%)



Red (87%)

Yellow (36%)

Blue (56%)

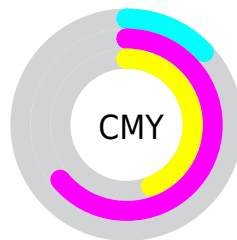


Cyan (0%)

Magenta (59%)

Yellow (36%)

Black (13%)



Cyan (13%)


Magenta (64%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4424, 24.8073, 28.3533 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 38.4424, 24.8073, 28.3533 by changing the saturation by 10% instead.


 38.4424, 24.8073,
28.3533


 38.4424, 24.8073,
28.3533


330.7621,
276.8769, 308.1162


 26.5050, 15.9335,
18.3508


 72.0853, 51.3444,
58.0779


 17.3365, 9.4771,
11.0301


 94.5214, 69.7766,
78.6370

 10.5715, 5.0537,
5.9727


 121.1879, 92.1637,
103.5522

 5.8446, 2.2788,
2.7599

 152.4500,
118.8901, 133.2418

 2.7906, 0.7625,
0.9734

188.6731,
150.3403, 168.1245

 1.0440, 0.0000,
0.0000

230.2226,

 0.0000, 0.0000,

186.8985, 208.6187

0.0000

277.4638,
228.9493, 255.1431

■ 38.4424, 24.8073,
28.3533

■ 38.4424, 24.8073,
28.3533

■ 35.8752, 21.1906,
22.8186

■ 41.6886, 29.5874,
34.7143

■ 33.9302, 18.6308,
18.0695

■ 45.6603, 35.6174,
41.9365

■ 32.5441, 17.0085,
14.0624

■ 50.4017, 42.9797,
50.0541

■ 31.6202, 16.1380,
10.7413

■ 55.9530, 51.7488,
59.0990

■ 31.5267, 16.0553,
10.3886

■ 62.3517, 61.9935,
69.1012

■ 69.6324, 73.7780,
80.0893

■ 77.8282, 87.1628,
92.0907

■ 82.7474, 93.7596,
103.7238

■ 83.6289, 94.1122,
108.3655

Harmonies

Analogous

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



35.8599, 24.8073, 50.9192



38.4424, 24.8073, 28.3533



36.4732, 24.8073, 13.4650

Triad

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



38.4424, 24.8073, 28.3533



18.1910, 24.8073, 6.0920



17.5274, 24.8073, 70.2171

Complementary

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



38.4424, 24.8073, 28.3533



37.4280, 56.8401, 47.0322

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.



14.1497, 24.8073, 47.5075



38.4424, 24.8073, 28.3533



14.4803, 24.8073, 12.0774

Square

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



38.4424, 24.8073, 28.3533



24.0428, 24.8073, 4.6824



13.1453, 24.8073, 25.7116



23.1204, 24.8073, 81.0610

Rectangle

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



38.4424, 24.8073, 28.3533



33.0151, 24.8073, 8.1810



13.1453, 24.8073, 25.7116



16.1369, 24.8073, 63.3228

Sweetspot

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



38.4431, 24.8086, 28.3537



77.9447, 72.4619, 82.6279



33.1557, 21.1392, 70.7396



16.1709, 14.6954, 16.8658



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.4431, 24.8086, 28.3537



48.7941, 28.1943, 29.6470



36.6585, 26.0296, 12.9912



13.2665, 13.1357, 14.6646



18.3662, 9.3475, 6.3084



1.2314, 0.6222, 0.6277

Inverse Universe

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



38.4431, 24.8086, 28.3537



48.7941, 28.1943, 29.6470



39.9224, 52.5572, 76.4472



13.2665, 13.1357, 14.6646



18.3662, 9.3475, 6.3084



1.2314, 0.6222, 0.6277

Previews

White Background



This preview shows how the XYZ color 38.4424, 24.8073, 28.3533 looks on a white background.

Color Contrast Check

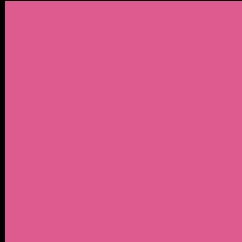
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4424, 24.8073, 28.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

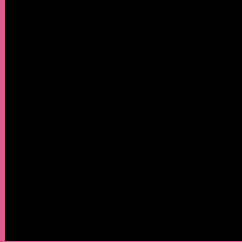
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.4424, 24.8073, 28.3533

Background



This preview shows how black text looks on a background with the XYZ color 38.4424, 24.8073, 28.3533.



This preview shows how white text looks on a background with the XYZ color 38.4424, 24.8073,

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

38.4424, 24.8073, 28.3533

Protanopia

25.1131, 25.1777, 41.5664

Deuteranopia

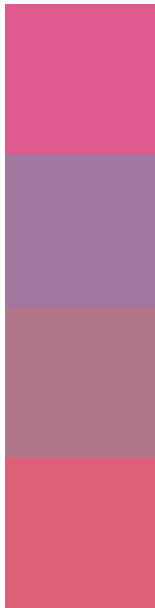
25.5940, 25.1319, 26.7946



Tritanopia

35.9251, 24.8490, 16.2675

Trichromacy



Original Color

38.4424, 24.8073, 28.3533

Protanomaly

27.9619, 23.6524, 36.3493

Deuteranomaly

28.9704, 24.0220, 27.1546

Tritanomaly

36.6663, 24.7338, 19.9811

Monochromacy



Original Color

38.4424, 24.8073, 28.3533

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

27.2403, 23.4834, 27.1418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4424, 24.8073, 28.3533 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(221, 91, 142)` looks like.

```
.text, #text, p{  
    color:rgb(221, 91, 142)  
}
```

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(221, 91, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 91, 142) }
```

Border

The CSS property to change the border of an element to XYZ 38.4424, 24.8073, 28.3533 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(221, 91, 142) }
```


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

```
.border{ border-color:rgb(221, 91, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 91, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 91, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 91, 142);  
box-shadow:4px 4px 4px 4px rgb(221, 91,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4424, 24.8073, 28.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 91, 142) }
```

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

```
.background{ background-color: rgb(221, 91,  
142) }
```

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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