

Converting Colors

XYZ(38.7476, 24.6125, 44.3988)

Have a look what the booklet for
XYZ(38.7476, 24.6125, 44.3988)
contains.

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Color

**XYZ(38.8283, 24.6535,
44.3071)**

Conversions

Conversions Part 1

Format	Color
Hex	D45BB1
RGB	212, 91, 177
RGB Percent	83%, 36%, 69%
CMY	0.1686, 0.6431, 0.3059
CMYK	0.00, 0.57, 0.17, 0.17
HSL	317°, 58%, 59%
HSV	317°, 57%, 83%
XYZ	38.8283, 24.6535, 44.3071
YIQ	136.9830, 44.5100, 52.3980

Conversions

Conversions Part 2

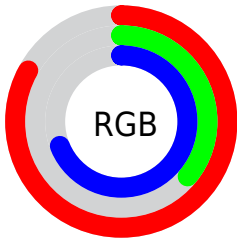
Format	Color
R _{YB}	212, 91, 177
Decimal	13917105
CIE _{Lab}	56.74, 57.48, -22.80
CIE _{LCh}	57, 61.838, 338.365
Yxy	24.6535, 0.3602, 0.2287
Android (android.graphics.Color)	4292107185 (0xFFD45BB1)
YUV	136.9830, 19.7284, 65.7899
Hunter-Lab	49.6523, 52.6962, -18.1507

Details

The XYZ color **38.8283, 24.6535, 44.3071** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **31.6250, 50.8184, 27.8829**, and the grayscale version is **23.6884, 24.9220, 27.1401**.

A 20% lighter version of the original color is **66.2269, 47.7010, 82.8075**, and **17.4810, 9.3583, 19.9538** is the 20% darker color. If you saturate the color by 10%, you get **36.6678, 21.2885, 40.6386**, and if you desaturate by 10%, it is **41.5297, 29.0555, 48.2918**.

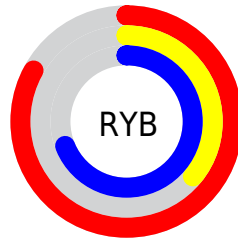
Distribution



Red (83%)

Green (36%)

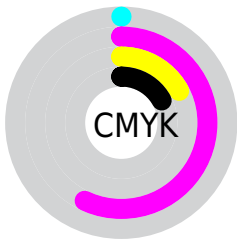
Blue (69%)



Red (83%)

Yellow (36%)

Blue (69%)

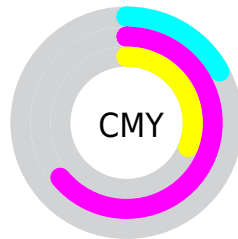


Cyan (0%)

Magenta (57%)

Yellow (17%)

Black (17%)



Cyan (17%)


Magenta (64%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8283, 24.6535, 44.3071 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 38.8283, 24.6535, 44.3071 by changing the saturation by 10% instead.


 38.8283, 24.6535,
44.3071


 38.8283, 24.6535,
44.3071


332.3797,
276.1079, 380.0380


 26.8063, 15.8191,
30.5730


 72.6717, 51.0945,
82.9871


 17.5636, 9.3962,
20.0182


 95.2238, 69.4700,
108.7700

 10.7349, 5.0005,
12.2241


 122.0167, 91.7945,
139.4064

 5.9549, 2.2476,
6.7721

 153.4156,
118.4526, 175.3147

 2.8581, 0.7457,
3.2437

189.7861,
149.8285, 216.9135

 1.0791, 0.0000,
1.2204

231.4933,

 0.0076, 0.0000,

186.3068, 264.6212

0.0000

278.9027,
228.2718, 318.8566

■ 0.0000, 0.0000,
0.0000

■ 38.8283, 24.6535,
44.3071

■ 38.8283, 24.6535,
44.3071

■ 36.6678, 21.2885,
40.6386

■ 41.5297, 29.0555,
48.2918

■ 35.0010, 18.8680,
37.2683

■ 44.8090, 34.5693,
52.6063

■ 33.7765, 17.2892,
34.1774

■ 48.7030, 41.2671,
57.2646

■ 32.9251, 16.4143,
31.3411

■ 53.2442, 49.2140,
62.2793

■ 32.7112, 16.2210,
30.5470

■ 58.4631, 58.4700,
67.6621

■ 64.3881, 69.0917,
73.4242

■ 71.0461, 81.1320,
79.5760

■ 76.6475, 91.0115,
85.5227

■ 77.5047, 91.3544,
90.0365

Harmonies

Analogous

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



33.1346, 24.6535, 71.5673



38.8283, 24.6535, 44.3071



40.0012, 24.6535, 21.4713

Triad

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



38.8283, 24.6535, 44.3071



21.4727, 24.6535, 3.6061



14.1556, 24.6535, 59.8019

Complementary

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



38.8283, 24.6535, 44.3071



31.6250, 50.8184, 27.8829

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.



12.2174, 24.6535, 33.0444



38.8283, 24.6535, 44.3071



15.8372, 24.6535, 6.1947

Square

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



38.8283, 24.6535, 44.3071



28.9253, 24.6535, 4.2656



12.7625, 24.6535, 14.7032



18.6831, 24.6535, 83.2587

Rectangle

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



38.8283, 24.6535, 44.3071



37.8731, 24.6535, 12.0526



12.7625, 24.6535, 14.7032



13.2268, 24.6535, 50.4731

Sweetspot

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



38.8291, 24.6547, 44.3076



80.7923, 74.6107, 94.5103



24.1249, 16.6183, 64.2241



16.9761, 15.4123, 19.8888



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.



38.8291, 24.6547, 44.3076



55.2274, 31.6345, 60.8519



34.1171, 22.7699, 19.4948



12.7928, 12.5686, 14.8489



20.2394, 10.0321, 19.0968



1.2558, 0.6191, 1.3366

Inverse Universe

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



38.8291, 24.6547, 44.3076



55.2274, 31.6345, 60.8519



36.6988, 52.8479, 54.6012



12.7928, 12.5686, 14.8489



20.2394, 10.0321, 19.0968



1.2558, 0.6191, 1.3366

Previews

White Background



This preview shows how the XYZ color 38.8283, 24.6535, 44.3071 looks on a white background.

Color Contrast Check

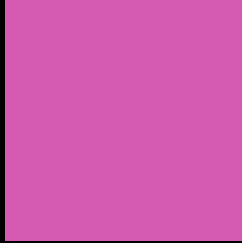
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.8283, 24.6535, 44.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

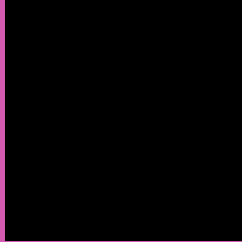
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.8283, 24.6535, 44.3071

Background



This preview shows how black text looks on a background with the XYZ color 38.8283, 24.6535, 44.3071.



This preview shows how white text looks on a background with the XYZ color 38.8283, 24.6535,

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

38.8283, 24.6535, 44.3071

Protanopia

26.4646, 24.9545, 64.3946

Deuteranopia

25.4537, 24.9390, 41.5024



Tritanopia

33.6449, 24.6448, 18.9032

Trichromacy



Original Color

38.8283, 24.6535, 44.3071



Protanomaly

28.5255, 23.1451, 56.3901



Deuteranomaly

28.9216, 23.6554, 42.5768



Tritanomaly

35.1815, 24.5234, 26.5461

Monochromacy



Original Color

38.8283, 24.6535, 44.3071



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

27.6938, 23.5925, 32.7999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8283, 24.6535, 44.3071 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(212, 91, 177)` looks like.

```
.text, #text, p{  
    color:rgb(212, 91, 177)  
}
```

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(212, 91, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 91, 177) }
```

Border

The CSS property to change the border of an element to XYZ 38.8283, 24.6535, 44.3071 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(212, 91, 177) }
```


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

```
.border{ border-color:rgb(212, 91, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 91, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 91, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 91, 177);  
box-shadow:4px 4px 4px 4px rgb(212, 91,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8283, 24.6535, 44.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 91, 177) }
```

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

```
.background{ background-color: rgb(212, 91,  
177) }
```

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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