

Converting Colors

XYZ(40.4579, 24.6425, 38.8903)

Have a look what the booklet for
XYZ(40.4579, 24.6425, 38.8903)
contains.

XYZ(40.4076, 24.6277, 38.7003)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(40.4076, 24.6277,
38.7003)**

Conversions

Conversions Part 1

Format	Color
Hex	DF53A6
RGB	223, 83, 166
RGB Percent	87%, 33%, 65%
CMY	0.1255, 0.6745, 0.3490
CMYK	0.00, 0.63, 0.26, 0.13
HSL	324°, 69%, 60%
HSV	324°, 63%, 87%
XYZ	40.4076, 24.6277, 38.7003
YIQ	134.3220, 56.7970, 55.4930

Conversions

Conversions Part 2

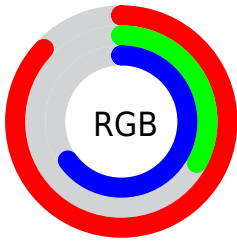
Format	Color
R _{YB}	223, 83, 166
Decimal	14635942
CIE _{Lab}	56.71, 62.55, -16.31
CIE _{LCh}	57, 64.645, 345.388
Yxy	24.6277, 0.3895, 0.2374
Android (android.graphics.Color)	4292826022 (0xFFDF53A6)
YUV	134.3220, 15.6173, 77.7706
Hunter-Lab	49.6263, 58.4954, -11.4980

Details

The XYZ color **40.4076, 24.6277, 38.7003** 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 **34.6899, 56.5085, 33.8928**, and the grayscale version is **22.7093, 23.8919, 26.0183**.

A 20% lighter version of the original color is **63.6692, 45.2366, 73.7824**, and **18.4786, 9.3704, 16.7543** is the 20% darker color. If you saturate the color by 10%, you get **38.1637, 21.4260, 33.9870**, and if you desaturate by 10%, it is **43.2603, 28.9523, 43.9071**.

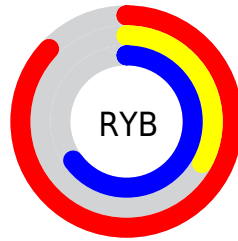
Distribution



Red (87%)

Green (33%)

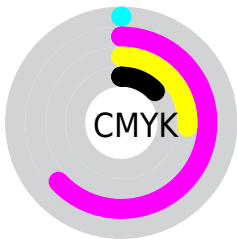
Blue (65%)



Red (87%)

Yellow (33%)

Blue (65%)

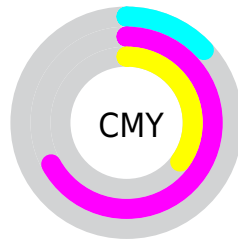


Cyan (0%)

Magenta (63%)

Yellow (26%)

Black (13%)



Cyan (13%)


Magenta (67%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.4076, 24.6277, 38.7003 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 40.4076, 24.6277, 38.7003 by changing the saturation by 10% instead.


 40.4076, 24.6277,
38.7003


 40.4076, 24.6277,
38.7003


338.9436,
275.9788, 356.0025

 28.0421, 15.7999,
26.2206


 75.0642, 51.0526,
74.3955


 18.4980, 9.3827,
16.7615


 98.0860, 69.4185,
98.4482

 11.4100, 4.9916,
9.9044


 125.3906, 91.7325,
127.1956

 6.4126, 2.2423,
5.2309

 157.3435,
118.3791, 161.0562

 3.1406, 0.7429,
2.3223

194.3098,
149.7426, 200.4487

 1.2285, 0.0000,
0.7436

236.6550,

 0.1287, 0.0000,

186.2075, 245.7915

0.0000

284.7445,
228.1580, 297.5033

■ 0.0000, 0.0000,
0.0000

■ 40.4076, 24.6277,
38.7003

■ 40.4076, 24.6277,
38.7003

■ 38.1637, 21.4260,
33.9870

■ 43.2603, 28.9523,
43.9071

■ 36.4704, 19.2336,
29.7413

■ 46.7682, 34.4917,
49.6280

■ 35.2612, 17.9189,
25.9350

■ 50.9756, 41.3324,
55.8837

■ 34.6102, 17.3595,
23.4291

■ 55.9222, 49.5518,
62.6927

■ 61.6446, 59.2214,
70.0727

■ 68.1768, 70.4076,
78.0400

■ 75.5507, 83.1728,
86.6105

■ 81.7181, 93.4187,
95.1063

■ 83.0911, 93.9678,
102.3362

Harmonies

Analogous

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



35.3074, 24.6277, 67.7725



40.4076, 24.6277, 38.7003



40.3345, 24.6277, 17.2451

Triad

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



40.4076, 24.6277, 38.7003



19.7708, 24.6277, 3.4091



14.6378, 24.6277, 68.5131

Complementary

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



40.4076, 24.6277, 38.7003



34.6899, 56.5085, 33.8928

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.



12.0358, 24.6277, 39.3982



40.4076, 24.6277, 38.7003



14.5365, 24.6277, 6.9591

Square

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



40.4076, 24.6277, 38.7003



27.2553, 24.6277, 3.3725



12.0032, 24.6277, 17.6530



19.9408, 24.6277, 90.3174

Rectangle

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



40.4076, 24.6277, 38.7003



37.3133, 24.6277, 9.2520



12.0032, 24.6277, 17.6530



13.4738, 24.6277, 58.7267

Sweetspot

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



40.4083, 24.6290, 38.7008



78.4788, 71.6819, 88.5039



27.0615, 17.0049, 71.6682



16.3380, 14.5694, 18.3402



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.



40.4083, 24.6290, 38.7008



51.0081, 28.0782, 44.3941



35.6834, 22.7390, 13.8194



14.0465, 13.8362, 16.0151



20.4076, 10.2301, 14.0783



1.4586, 0.7267, 1.2079

Inverse Universe

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



40.4083, 24.6290, 38.7008



51.0081, 28.0782, 44.3941



41.4645, 59.2183, 69.5671



14.0465, 13.8362, 16.0151



20.4076, 10.2301, 14.0783



1.4586, 0.7267, 1.2079

Previews

White Background



This preview shows how the XYZ color 40.4076, 24.6277, 38.7003 looks on a white background.

Color Contrast Check

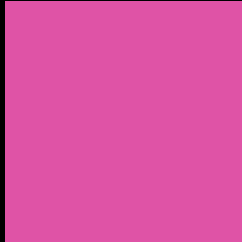
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.4076, 24.6277, 38.7003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

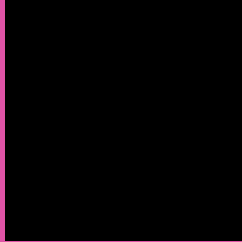
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.4076, 24.6277, 38.7003

Background



This preview shows how black text looks on a background with the XYZ color 40.4076, 24.6277, 38.7003.



This preview shows how white text looks on a background with the XYZ color 40.4076, 24.6277,

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

40.4076, 24.6277, 38.7003

Protanopia

26.1146, 24.8727, 59.9244

Deuteranopia

25.2065, 24.7326, 35.7931



Tritanopia

35.8309, 24.6607, 16.2361

Trichromacy



Original Color

40.4076, 24.6277, 38.7003



Protanomaly

28.5619, 22.7515, 51.6013



Deuteranomaly

29.1413, 23.3807, 36.6952



Tritanomaly

37.2603, 24.5767, 22.8586

Monochromacy



Original Color

40.4076, 24.6277, 38.7003



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

27.0449, 22.4438, 30.1008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.4076, 24.6277, 38.7003 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(223, 83, 166)` looks like.

```
.text, #text, p{  
    color:rgb(223, 83, 166)  
}
```

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(223, 83, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 83, 166) }
```

Border

The CSS property to change the border of an element to XYZ 40.4076, 24.6277, 38.7003 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(223, 83, 166) }
```


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

```
.border{ border-color:rgb(223, 83, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 83, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 83, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 83, 166);  
box-shadow:4px 4px 4px 4px rgb(223, 83,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 40.4076, 24.6277, 38.7003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 83, 166) }
```

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

```
.background{ background-color: rgb(223, 83,  
166) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor