

Converting Colors

XYZ(40.7063, 24.6752, 45.6057)

Have a look what the booklet for
XYZ(40.7063, 24.6752, 45.6057)
contains.

XYZ(40.8467, 24.6974, 45.7942)	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(40.8467, 24.6974,
45.7942)**

Conversions

Conversions Part 1

Format	Color
Hex	DC53B4
RGB	220, 83, 180
RGB Percent	86%, 33%, 71%
CMY	0.1373, 0.6745, 0.2941
CMYK	0.00, 0.62, 0.18, 0.14
HSL	318°, 66%, 59%
HSV	318°, 62%, 86%
XYZ	40.8467, 24.6974, 45.7942
YIQ	135.0210, 50.5150, 59.2110

Conversions

Conversions Part 2

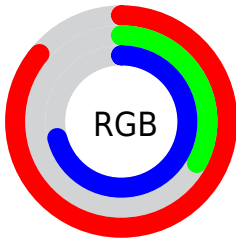
Format	Color
RYB	220, 83, 180
Decimal	14439348
CIELab	56.78, 63.62, -24.36
CIELCh	57, 68.122, 339.043
Yxy	24.6974, 0.3669, 0.2218
Android (android.graphics.Color)	4292629428 (0xFFDC53B4)
YUV	135.0210, 22.1746, 74.5266
Hunter-Lab	49.6965, 59.7445, -19.8469

Details

The XYZ color **40.8467, 24.6974, 45.7942** 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 **32.7369, 54.4564, 27.5269**, and the grayscale version is **22.9452, 24.1401, 26.2886**.

A 20% lighter version of the original color is **65.7584, 46.0723, 84.7839**, and **18.8625, 9.4766, 20.9137** is the 20% darker color. If you saturate the color by 10%, you get **38.7833, 21.5935, 41.9522**, and if you desaturate by 10%, it is **43.4758, 28.8835, 49.9748**.

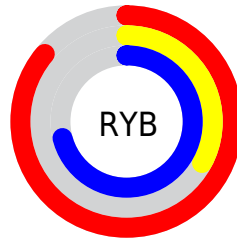
Distribution



Red (86%)

Green (33%)

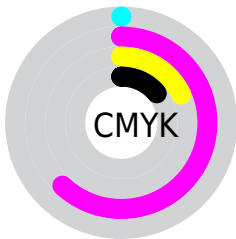
Blue (71%)



Red (86%)

Yellow (33%)

Blue (71%)

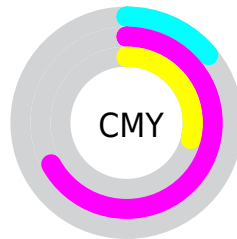


Cyan (0%)

Magenta (62%)

Yellow (18%)

Black (14%)



Cyan (14%)

Magenta (67%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8467, 24.6974, 45.7942 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 40.8467, 24.6974, 45.7942 by changing the saturation by 10% instead.

40.8467, 24.6974,
45.7942

40.8467, 24.6974,
45.7942

340.7530,
276.3276, 386.2342

28.3865, 15.8518,
31.7360

75.7273, 51.1659,
85.2420

18.7591, 9.4193,
20.8968

98.8784, 69.5575,
111.4685

11.5993, 5.0157,
12.8580

126.3238, 91.8999,
142.5883

6.5417, 2.2565,
7.2013

158.4288,
118.5775, 179.0199

3.2210, 0.7505,
3.5080

195.5590,
149.9747, 221.1817

1.2717, 0.0000,
1.3595

238.0795,

0.1619, 0.0000,

186.4758, 269.4923

0.1098

286.3557,
228.4653, 324.3703

■ 0.0000, 0.0000,
0.0000

■ 40.8467, 24.6974,
45.7942

■ 40.8467, 24.6974,
45.7942

■ 38.7833, 21.5935,
41.9522

■ 43.4758, 28.8835,
49.9748

■ 37.2304, 19.4629,
38.4279

■ 46.7144, 34.2398,
54.5100

■ 36.1252, 18.1805,
35.1984

■ 50.6044, 40.8490,
59.4158

■ 35.4962, 17.6081,
32.8755

■ 55.1833, 48.7857,
64.7068

■ 60.4857, 58.1183,
70.3961

■ 66.5438, 68.9107,
76.4965

■ 73.3878, 81.2228,
83.0198

■ 79.7545, 92.5274,
89.5467

■ 80.6807, 92.8979,
94.4244

Harmonies

Analogous

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



34.4846, 24.6974, 77.2648



40.8467, 24.6974, 45.7942



42.0468, 24.6974, 20.5782

Triad

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



40.8467, 24.6974, 45.7942



21.1516, 24.6974, 2.6840



13.4875, 24.6974, 64.9881

Complementary

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



40.8467, 24.6974, 45.7942



32.7369, 54.4564, 27.5269

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.



11.3790, 24.6974, 34.3791



40.8467, 24.6974, 45.7942



15.0989, 24.6974, 5.2024

Square

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



40.8467, 24.6974, 45.7942



29.3795, 24.6974, 3.2228



11.8935, 24.6974, 14.0715



18.4184, 24.6974, 92.0291

Rectangle

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



40.8467, 24.6974, 45.7942



39.5424, 24.6974, 10.7409



11.8935, 24.6974, 14.0715



12.4822, 24.6974, 54.2488

Sweetspot

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



40.8475, 24.6986, 45.7947



79.2992, 72.0100, 92.8240



24.0130, 15.4795, 69.4330



16.5372, 14.6491, 19.3890



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.



40.8475, 24.6986, 45.7947



53.3865, 29.0295, 56.9183



35.5724, 22.5886, 18.0162



13.4439, 13.2067, 15.5988



20.8829, 10.3542, 19.5613



1.3897, 0.6855, 1.4613

Inverse Universe

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



40.8475, 24.6986, 45.7947



53.3865, 29.0295, 56.9183



38.4905, 56.7578, 57.8248



13.4439, 13.2067, 15.5988



20.8829, 10.3542, 19.5613



1.3897, 0.6855, 1.4613

Previews

White Background



This preview shows how the XYZ color 40.8467, 24.6974, 45.7942 looks on a white background.

Color Contrast Check

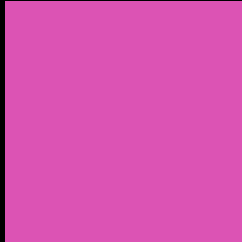
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.8467, 24.6974, 45.7942 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 40.8467, 24.6974, 45.7942

Background



This preview shows how black text looks on a background with the XYZ color 40.8467, 24.6974, 45.7942.



This preview shows how white text looks on a background with the XYZ color 40.8467, 24.6974,

45.7942.

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

40.8467, 24.6974, 45.7942

Protanopia

27.0369, 25.1011, 71.1301

Deuteranopia

25.4872, 24.9343, 42.4992



Tritanopia

34.8010, 24.5362, 17.0891

Trichromacy



Original Color

40.8467, 24.6974, 45.7942



Protanomaly

29.0042, 22.7802, 60.6259



Deuteranomaly

29.1784, 23.2491, 43.5071



Tritanomaly

36.6247, 24.3256, 25.3192

Monochromacy



Original Color

40.8467, 24.6974, 45.7942



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

27.5572, 22.8321, 32.2328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8467, 24.6974, 45.7942 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(220, 83, 180)` looks like.

```
.text, #text, p{  
    color:rgb(220, 83, 180)  
}
```

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(220, 83, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 83, 180) }
```

Border

The CSS property to change the border of an element to XYZ 40.8467, 24.6974, 45.7942 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(220, 83, 180) }
```


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

```
.border{ border-color:rgb(220, 83, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 83, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 83, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 83, 180);  
box-shadow:4px 4px 4px 4px rgb(220, 83,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8467, 24.6974, 45.7942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 83, 180) }
```

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

```
.background{ background-color: rgb(220, 83,  
180) }
```

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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