

Converting Colors

XYZ(40.0111, 24.7214, 45.0270)

Have a look what the booklet for
XYZ(40.0111, 24.7214, 45.0270)
contains.

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Color

**XYZ(40.0593, 24.7825,
44.7916)**

Conversions

Conversions Part 1

Format	Color
Hex	D957B2
RGB	217, 87, 178
RGB Percent	85%, 34%, 70%
CMY	0.1490, 0.6588, 0.3020
CMYK	0.00, 0.60, 0.18, 0.15
HSL	318°, 63%, 60%
HSV	318°, 60%, 85%
XYZ	40.0593, 24.7825, 44.7916
YIQ	136.2440, 48.2690, 55.8610

Conversions

Conversions Part 2

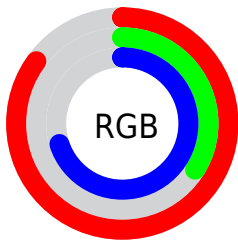
Format	Color
R _Y B	217, 87, 178
Decimal	14243762
CIE Lab	56.86, 60.82, -23.12
CIE LCh	57, 65.062, 339.185
Yxy	24.7825, 0.3654, 0.2260
Android (android.graphics.Color)	4292433842 (0xFFD957B2)
YUV	136.2440, 20.5857, 70.8230
Hunter-Lab	49.7820, 56.5193, -18.4990

Details

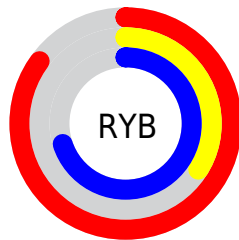
The XYZ color **40.0593, 24.7825, 44.7916** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **32.5105, 53.1590, 28.2883**, and the grayscale version is **23.4069, 24.6258, 26.8175**.

A 20% lighter version of the original color is **65.9137, 46.8454, 83.4099**, and **18.3061, 9.4644, 20.2640** is the 20% darker color. If you saturate the color by 10%, you get **37.9209, 21.5267, 40.9299**, and if you desaturate by 10%, it is **42.7582, 29.1089, 48.9936**.

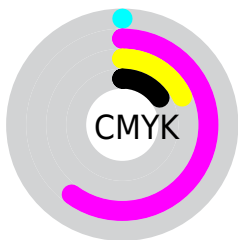
Distribution



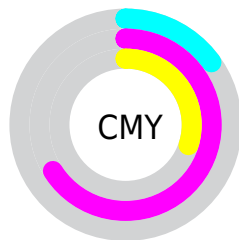
- Red (85%)
- Green (34%)
- Blue (70%)



- Red (85%)
- Yellow (34%)
- Blue (70%)



- Cyan (0%)
- Magenta (60%)
- Yellow (18%)
- Black (15%)




- Cyan (15%)
- Magenta (66%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0593, 24.7825, 44.7916 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 40.0593, 24.7825, 44.7916 by changing the saturation by 10% instead.


 40.0593, 24.7825,
44.7916


 40.0593, 24.7825,
44.7916

337.5036,
276.7530, 382.0644

 27.7692, 15.9151,
30.9516


 74.5376, 51.3042,
83.7227

 18.2913, 9.4641,
20.3038


 97.4565, 69.7272,
109.6509

 11.2603, 5.0451,
12.4298


 124.6490, 92.1042,
140.4455

 6.3108, 2.2738,
6.9110

 156.4805,
118.8196, 176.5251

 3.0774, 0.7598,
3.3289

193.3163,
150.2578, 218.3083

 1.1948, 0.0000,
1.2649

235.5219,

 0.1023, 0.0000,

186.8032, 266.2135

0.0328

283.4625,
228.8401, 320.6594

■ 0.0000, 0.0000,
0.0000

■ 40.0593, 24.7825,
44.7916

■ 40.0593, 24.7825,
44.7916

■ 37.9209, 21.5267,
40.9299

■ 42.7582, 29.1089,
48.9936

■ 36.2912, 19.2399,
37.3886

■ 46.0586, 34.5882,
53.5511

■ 35.1126, 17.8069,
34.1465

■ 50.0001, 41.2988,
58.4794

■ 34.2818, 17.0219,
31.1669

■ 54.6184, 49.3112,
63.7924

■ 34.2744, 17.0154,
31.1394

■ 59.9462, 58.6905,
69.5030

■ 66.0143, 69.4975,
75.6233

■ 72.8515, 81.7893,
82.1649

■ 78.6700, 91.9896,
88.5336

■ 79.6021, 92.3625,
93.4420

Harmonies

Analogous

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



34.0679, 24.7825, 74.2705



40.0593, 24.7825, 44.7916



41.1631, 24.7825, 20.8295

Triad

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



40.0593, 24.7825, 44.7916



21.2946, 24.7825, 3.1502



13.9327, 24.7825, 63.0870

Complementary

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



40.0593, 24.7825, 44.7916



32.5105, 53.1590, 28.2883

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.



11.8576, 24.7825, 34.2449



40.0593, 24.7825, 44.7916



15.4635, 24.7825, 5.7870

Square

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



40.0593, 24.7825, 44.7916



29.1492, 24.7825, 3.7051



12.3501, 24.7825, 14.6596



18.7267, 24.7825, 88.2052

Rectangle

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



40.0593, 24.7825, 44.7916



38.7864, 24.7825, 11.2682



12.3501, 24.7825, 14.6596



12.9467, 24.7825, 53.0259

Sweetspot

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



40.0601, 24.7837, 44.7921



79.9765, 73.2746, 93.3270



24.5382, 16.2634, 67.4917



16.6665, 14.8936, 19.4757



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.



40.0601, 24.7837, 44.7921



53.9344, 29.9838, 57.5377



35.0051, 22.7617, 18.1730



13.4393, 13.2048, 15.5746



20.7966, 10.3197, 19.1065



1.3847, 0.6835, 1.4347

Inverse Universe

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



40.0601, 24.7837, 44.7921



53.9344, 29.9838, 57.5377



38.1483, 55.4141, 57.9766



13.4393, 13.2048, 15.5746



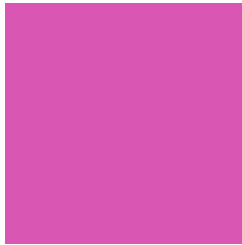
20.7966, 10.3197, 19.1065



1.3847, 0.6835, 1.4347

Previews

White Background



This preview shows how the XYZ color 40.0593, 24.7825, 44.7916 looks on a white background.

Color Contrast Check

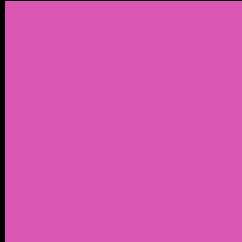
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.0593, 24.7825, 44.7916 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

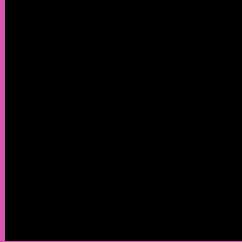
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.0593, 24.7825, 44.7916

Background



This preview shows how black text looks on a background with the XYZ color 40.0593, 24.7825, 44.7916.



This preview shows how white text looks on a background with the XYZ color 40.0593, 24.7825,

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

40.0593, 24.7825, 44.7916

Protanopia

26.8542, 25.0823, 67.7160

Deuteranopia

25.5486, 24.9770, 42.0026



Tritanopia

34.3979, 24.7500, 18.0032

Trichromacy



Original Color

40.0593, 24.7825, 44.7916



Protanomaly

29.0546, 23.1899, 58.8219



Deuteranomaly

29.3111, 23.6711, 43.0685



Tritanomaly

36.1814, 24.6308, 25.7689

Monochromacy



Original Color

40.0593, 24.7825, 44.7916



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

27.5814, 23.1906, 32.3007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0593, 24.7825, 44.7916 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(217, 87, 178)` looks like.

```
.text, #text, p{  
    color:rgb(217, 87, 178)  
}
```

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(217, 87, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 87, 178) }
```

Border

The CSS property to change the border of an element to XYZ 40.0593, 24.7825, 44.7916 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(217, 87, 178) }
```


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

```
.border{ border-color:rgb(217, 87, 178) }
```

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

Here you see how a box with a 4 pixel rgb(217, 87, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 87, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 87, 178);  
box-shadow:4px 4px 4px 4px rgb(217, 87,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0593, 24.7825, 44.7916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 87, 178) }
```

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

```
.background{ background-color: rgb(217, 87,  
178) }
```

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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