

Converting Colors

XYZ(40.3612, 23.9581, 47.8445)

Have a look what the booklet for
XYZ(40.3612, 23.9581, 47.8445)
contains.

XYZ(40.3612, 23.9581, 47.8445)	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(40.3612, 23.9581,
47.8445)**

Conversions

Conversions Part 1

Format	Color
Hex	DA4FB8
RGB	218, 79, 184
RGB Percent	85%, 31%, 72%
CMY	0.1451, 0.6902, 0.2784
CMYK	0.00, 0.64, 0.16, 0.15
HSL	315°, 65%, 58%
HSV	315°, 64%, 85%
XYZ	40.3612, 23.9581, 47.8445
YIQ	132.5310, 49.1390, 62.1230

Conversions

Conversions Part 2

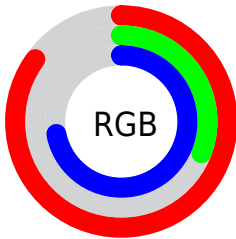
Format	Color
R _{YB}	218, 79, 184
Decimal	14307256
CIE _{Lab}	56.05, 65.28, -27.83
CIE _{LCh}	56, 70.963, 336.907
Yxy	23.9581, 0.3598, 0.2136
Android (android.graphics.Color)	4292497336 (0xFFDA4FB8)
YUV	132.5310, 25.3742, 74.9563
Hunter-Lab	48.9470, 61.5320, -23.6916

Details

The XYZ color **40.3612, 23.9581, 47.8445** 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 **31.2777, 52.9983, 24.2062**, and the grayscale version is **22.0237, 23.1707, 25.2328**.

A 20% lighter version of the original color is **65.7723, 45.1596, 87.6882**, and **18.5939, 9.1123, 22.2516** is the 20% darker color. If you saturate the color by 10%, you get **38.4902, 21.0936, 44.5147**, and if you desaturate by 10%, it is **42.7702, 27.8641, 51.4580**.

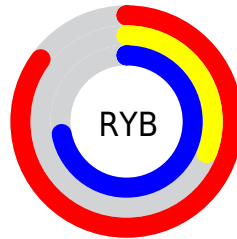
Distribution



Red (85%)

Green (31%)

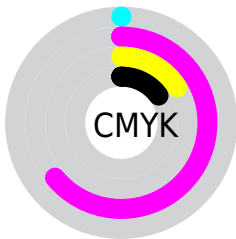
Blue (72%)



Red (85%)

Yellow (31%)

Blue (72%)

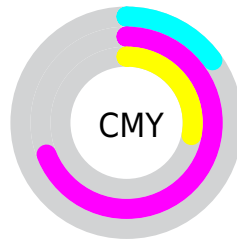


Cyan (0%)

Magenta (64%)

Yellow (16%)

Black (15%)



Cyan (15%)

Magenta (69%)

Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3612, 23.9581, 47.8445 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 40.3612, 23.9581, 47.8445 by changing the saturation by 10% instead.

 40.3612, 23.9581,
47.8445


 40.3612, 23.9581,
47.8445

338.7520,
272.6086, 394.6663


 28.0057, 15.3025,
33.3446


 74.9941, 49.9618,
88.3360


 18.4705, 9.0320,
22.1173


 98.0022, 68.0788,
115.1647

 11.3900, 4.7621,
13.7440


 125.2919, 90.1183,
146.9401

 6.3990, 2.1083,
7.8061

 157.2286,
116.4648, 184.0807

 3.1321, 0.6693,
3.8851

194.1776,
147.5027, 227.0051

 1.2240, 0.0000,
1.5625

236.5043,

 0.1252, 0.0000,

183.6164, 276.1318

0.2639

284.5739,
225.1902, 331.8794

■ 0.0000, 0.0000,
0.0000

■ 40.3612, 23.9581,
47.8445

■ 40.3612, 23.9581,
47.8445

■ 38.4902, 21.0936,
44.5147

■ 42.7702, 27.8641,
51.4580

■ 37.1021, 19.1618,
41.4485

■ 45.7606, 32.8993,
55.3703

■ 36.1336, 18.0364,
38.6239

■ 49.3740, 39.1458,
59.5963

■ 35.6756, 17.6103,
36.9607

■ 53.6472, 46.6773,
64.1496

■ 58.6143, 55.5616,
69.0425

■ 64.3071, 65.8615,
74.2867

■ 70.7551, 77.6363,
79.8930

■ 77.9864, 90.9413,
85.8719

■ 79.2385, 92.2515,
89.9701

Harmonies

Analogous

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



33.4912, 23.9581, 80.6520



40.3612, 23.9581, 47.8445



42.0504, 23.9581, 21.0707

Triad

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



40.3612, 23.9581, 47.8445



20.9453, 23.9581, 2.1158



12.4309, 23.9581, 63.1980

Complementary

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



40.3612, 23.9581, 47.8445



31.2777, 52.9983, 24.2062

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.



10.5239, 23.9581, 31.8406



40.3612, 23.9581, 47.8445



14.6245, 23.9581, 4.1810

Square

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



40.3612, 23.9581, 47.8445



29.4595, 23.9581, 2.7868



11.2186, 23.9581, 12.1865



17.1809, 23.9581, 92.6089

Rectangle

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



40.3612, 23.9581, 47.8445



39.7215, 23.9581, 10.6339



11.2186, 23.9581, 12.1865



11.4947, 23.9581, 51.9999

Sweetspot

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



40.3620, 23.9593, 47.8450



79.6440, 72.1479, 94.6397



22.0624, 14.0631, 67.8819



16.6212, 14.6827, 19.8314



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.



40.3620, 23.9593, 47.8450



54.0448, 28.8556, 61.7329



34.8668, 21.7612, 18.9077



13.4711, 13.2176, 15.7423



21.4178, 10.5681, 22.3778



1.4207, 0.6979, 1.6245

Inverse Universe

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



40.3620, 23.9593, 47.8450



54.0448, 28.8556, 61.7329



36.6306, 55.1394, 52.3939



13.4711, 13.2176, 15.7423



21.4178, 10.5681, 22.3778



1.4207, 0.6979, 1.6245

Previews

White Background



This preview shows how the XYZ color 40.3612, 23.9581, 47.8445 looks on a white background.

Color Contrast Check

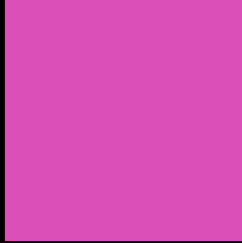
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3612, 23.9581, 47.8445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

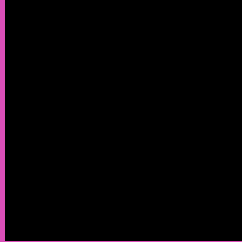
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.3612, 23.9581, 47.8445

Background



This preview shows how black text looks on a background with the XYZ color 40.3612, 23.9581, 47.8445.



This preview shows how white text looks on a background with the XYZ color 40.3612, 23.9581,

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

40.3612, 23.9581, 47.8445

Protanopia

26.8357, 24.4815, 75.9840

Deuteranopia

24.6919, 24.0727, 44.4194



Tritanopia

33.7894, 23.8775, 16.7378

Trichromacy



Original Color

40.3612, 23.9581, 47.8445



Protanomaly

28.4782, 22.0889, 64.3906



Deuteranomaly

28.3399, 22.4359, 45.4847



Tritanomaly

35.6409, 23.5497, 25.5887

Monochromacy



Original Color

40.3612, 23.9581, 47.8445



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

26.8825, 21.9698, 32.5295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3612, 23.9581, 47.8445 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(218, 79, 184)` looks like.

```
.text, #text, p{  
    color:rgb(218, 79, 184)  
}
```

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(218, 79, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 79, 184) }
```

Border

The CSS property to change the border of an element to XYZ 40.3612, 23.9581, 47.8445 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(218, 79, 184) }
```


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

```
.border{ border-color:rgb(218, 79, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 79, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 79, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 79, 184); box-shadow:4px 4px 4px 4px rgb(218, 79, 184) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3612, 23.9581, 47.8445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 79, 184) }
```

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

```
.background{ background-color: rgb(218, 79,  
184) }
```

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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