

Converting Colors

XYZ(38.7949, 23.8168, 41.3566)

Have a look what the booklet for
XYZ(38.7949, 23.8168, 41.3566)
contains.

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Color

**XYZ(38.9356, 23.9181,
41.5943)**

Conversions

Conversions Part 1

Format	Color
Hex	D854AC
RGB	216, 84, 172
RGB Percent	85%, 33%, 67%
CMY	0.1529, 0.6706, 0.3255
CMYK	0.00, 0.61, 0.20, 0.15
HSL	320°, 63%, 59%
HSV	320°, 61%, 85%
XYZ	38.9356, 23.9181, 41.5943
YIQ	133.5000, 50.4240, 55.3520

Conversions

Conversions Part 2

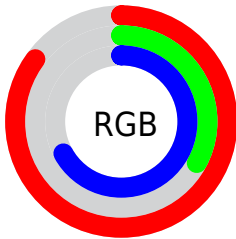
Format	Color
R_{YB}	216, 84, 172
Decimal	14177452
CIE _{Lab}	56.01, 60.97, -20.97
CIE _{LCh}	56, 64.477, 341.020
Yxy	23.9181, 0.3728, 0.2290
Android (android.graphics.Color)	4292367532 (0xFFD854AC)
YUV	133.5000, 18.9805, 72.3525
Hunter-Lab	48.9061, 56.5233, -16.1914

Details

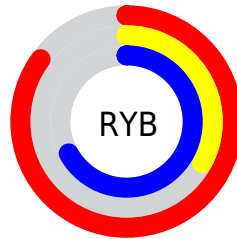
The XYZ color **38.9356, 23.9181, 41.5943** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **32.1095, 52.5558, 28.8763**, and the grayscale version is **22.3976, 23.5640, 25.6612**.

A 20% lighter version of the original color is **64.6217, 45.6176, 78.7979**, and **17.7070, 9.0578, 18.5844** is the 20% darker color. If you saturate the color by 10%, you get **36.8372, 20.7980, 37.5750**, and if you desaturate by 10%, it is **41.5897, 28.0890, 45.9842**.

Distribution



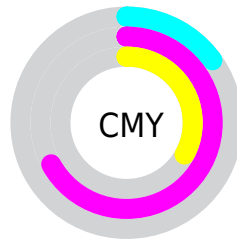
- Red (85%)
- Green (33%)
- Blue (67%)



- Red (85%)
- Yellow (33%)
- Blue (67%)



- Cyan (0%)
- Magenta (61%)
- Yellow (20%)
- Black (15%)



- Cyan (15%)
- Magenta (67%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9356, 23.9181, 41.5943 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 38.9356, 23.9181, 41.5943 by changing the saturation by 10% instead.

■ 38.9356, 23.9181,
41.5943

■ 38.9356, 23.9181,
41.5943

332.8285,
272.4062, 368.5483

■ 26.8901, 15.2729,
28.4606

■ 72.8346, 49.8965,
78.8487

■ 17.6269, 9.0111,
18.4311

■ 95.4189, 67.9985,
103.8064

■ 10.7805, 4.7484,
11.0873

■ 122.2468, 90.0215,
133.5426

■ 5.9856, 2.1004,
6.0107

■ 153.6837,
116.3500, 168.4757

■ 2.8769, 0.6649,
2.7827

190.0950,
147.3683, 209.0242

■ 1.0890, 0.0000,
0.9848

231.8460,

■ 0.0159, 0.0000,

183.4608, 255.6068

0.0000

279.3020,
225.0120, 308.6420

■ 0.0000, 0.0000,
0.0000

■ 38.9356, 23.9181,
41.5943

■ 38.9356, 23.9181,
41.5943

■ 36.8372, 20.7980,
37.5750

■ 41.5897, 28.0890,
45.9842

■ 35.2425, 18.6264,
33.9053

■ 44.8408, 33.3935,
50.7606

■ 34.0927, 17.2867,
30.5629

■ 48.7289, 39.9100,
55.9398

■ 33.3529, 16.6125,
27.8330

■ 53.2895, 47.7090,
61.5364

■ 58.5557, 56.8555,
67.5640

■ 64.5581, 67.4102,
74.0355

■ 71.3256, 79.4299,
80.9630

■ 78.3063, 91.8099,
88.1651

■ 79.3364, 92.2220,
93.5896

Harmonies

Analogous

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



33.3578, 23.9181, 70.2196



38.9356, 23.9181, 41.5943



39.6688, 23.9181, 19.0310

Triad

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



38.9356, 23.9181, 41.5943



20.1313, 23.9181, 3.0680



13.6318, 23.9181, 62.7832

Complementary

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



38.9356, 23.9181, 41.5943



32.1095, 52.5558, 28.8763

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.



11.4696, 23.9181, 34.5946



38.9356, 23.9181, 41.5943



14.6448, 23.9181, 5.8578

Square

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



38.9356, 23.9181, 41.5943



27.6598, 23.9181, 3.4319



11.7952, 23.9181, 14.9495



18.4298, 23.9181, 86.3426

Rectangle

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



38.9356, 23.9181, 41.5943



37.1652, 23.9181, 10.2294



11.7952, 23.9181, 14.9495



12.6249, 23.9181, 53.0493

Sweetspot

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



38.9364, 23.9193, 41.5948



79.7485, 73.1834, 92.1267



24.4684, 15.8892, 66.7434



16.6106, 14.8713, 19.1812



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.



38.9364, 23.9193, 41.5948



52.9787, 29.3457, 53.2932



34.0917, 21.9814, 16.0832



12.7688, 12.5590, 14.7230



19.7934, 9.8537, 16.7477



1.2315, 0.6094, 1.2086

Inverse Universe

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



38.9364, 23.9193, 41.5948



52.9787, 29.3457, 53.2932



37.9505, 54.8922, 59.6349



12.7688, 12.5590, 14.7230



19.7934, 9.8537, 16.7477



1.2315, 0.6094, 1.2086

Previews

White Background



This preview shows how the XYZ color 38.9356, 23.9181, 41.5943 looks on a white background.

Color Contrast Check

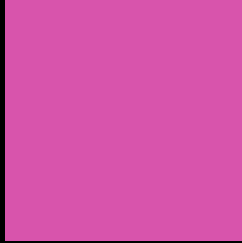
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9356, 23.9181, 41.5943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

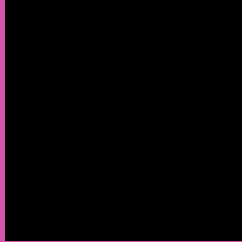
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.9356, 23.9181, 41.5943

Background



This preview shows how black text looks on a background with the XYZ color 38.9356, 23.9181, 41.5943.



This preview shows how white text looks on a background with the XYZ color 38.9356, 23.9181,

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

38.9356, 23.9181, 41.5943

Protanopia

25.8233, 24.2318, 63.6378

Deuteranopia

24.7157, 24.2057, 38.9668



Tritanopia

33.7894, 23.8775, 16.7378

Trichromacy



Original Color

38.9356, 23.9181, 41.5943



Protanomaly

28.1272, 22.4500, 55.0754



Deuteranomaly

28.3029, 22.8752, 39.9694



Tritanomaly

35.2508, 23.6411, 24.1780

Monochromacy



Original Color

38.9356, 23.9181, 41.5943



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

26.9005, 22.5214, 30.9462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9356, 23.9181, 41.5943 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(216, 84, 172)` looks like.

```
.text, #text, p{  
    color:rgb(216, 84, 172)  
}
```

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(216, 84, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 84, 172) }
```

Border

The CSS property to change the border of an element to XYZ 38.9356, 23.9181, 41.5943 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(216, 84, 172) }
```


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

```
.border{ border-color:rgb(216, 84, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 84, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 84, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 84, 172);  
box-shadow:4px 4px 4px 4px rgb(216, 84,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9356, 23.9181, 41.5943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 84, 172) }
```

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

```
.background{ background-color: rgb(216, 84,  
172) }
```

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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