

Converting Colors

XYZ(39.2121, 23.7295, 39.6312)

Have a look what the booklet for
XYZ(39.2121, 23.7295, 39.6312)
contains.

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Color

**XYZ(39.2237, 23.7721,
39.5669)**

Conversions

Conversions Part 1

Format	Color
Hex	DB51A8
RGB	219, 81, 168
RGB Percent	86%, 32%, 66%
CMY	0.1412, 0.6823, 0.3412
CMYK	0.00, 0.63, 0.23, 0.14
HSL	322°, 66%, 59%
HSV	322°, 63%, 86%
XYZ	39.2237, 23.7721, 39.5669
YIQ	132.1800, 54.3210, 56.3130

Conversions

Conversions Part 2

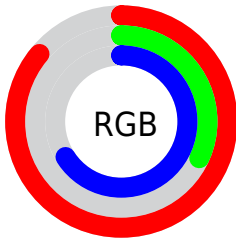
Format	Color
R _Y B	219, 81, 168
Decimal	14373288
CIE Lab	55.86, 62.52, -18.83
CIE LCh	56, 65.291, 343.241
Yxy	23.7721, 0.3824, 0.2318
Android (android.graphics.Color)	4292563368 (0xFFDB51A8)
YUV	132.1800, 17.6593, 76.1411
Hunter-Lab	48.7566, 58.2754, -13.9853

Details

The XYZ color **39.2237, 23.7721, 39.5669** 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 **32.8910, 54.0790, 30.5373**, and the grayscale version is **21.9227, 23.0644, 25.1172**.

A 20% lighter version of the original color is **63.6478, 44.7647, 75.0979**, and **17.7364, 8.9082, 17.3076** is the 20% darker color. If you saturate the color by 10%, you get **37.1200, 20.7339, 35.2604**, and if you desaturate by 10%, it is **41.9004, 27.8806, 44.2963**.

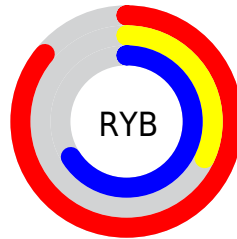
Distribution



Red (86%)

Green (32%)

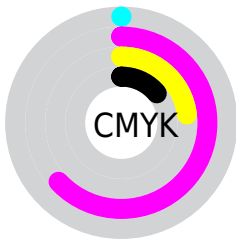
Blue (66%)



Red (86%)

Yellow (32%)

Blue (66%)

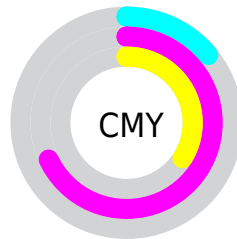


Cyan (0%)

Magenta (63%)

Yellow (23%)

Black (14%)



Cyan (14%)


Magenta (68%)

Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2237, 23.7721, 39.5669 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 39.2237, 23.7721, 39.5669 by changing the saturation by 10% instead.

 39.2237, 23.7721,
39.5669


 39.2237, 23.7721,
39.5669


334.0314,
271.6663, 359.7924


 27.1153, 15.1647,
26.8898


 73.2718, 49.6580,
75.7334


 17.7969, 8.9350,
17.2588


 95.9422, 67.7053,
100.0599

 10.9031, 4.6988,
10.2553


 122.8641, 89.6680,
129.1066

 6.0685, 2.0717,
5.4607

 154.4026,
115.9305, 163.2921

 2.9278, 0.6486,
2.4566

190.9233,
146.8772, 203.0349

 1.1157, 0.0000,
0.8170

232.7914,

 0.0382, 0.0000,

182.8924, 248.7535

0.0000

280.3723,
224.3607, 300.8665

■ 0.0000, 0.0000,
0.0000

■ 39.2237, 23.7721,
39.5669

■ 39.2237, 23.7721,
39.5669

■ 37.1200, 20.7339,
35.2604

■ 41.9004, 27.8806,
44.2963

■ 35.5337, 18.6571,
31.3537

■ 45.1943, 33.1473,
49.4670

■ 34.4013, 17.4155,
27.8214

■ 49.1476, 39.6551,
55.0971

■ 33.8054, 16.8969,
25.5477

■ 53.7980, 47.4781,
61.2030

■ 59.1803, 56.6847,
67.8002

■ 65.3268, 67.3384,
74.9031

■ 72.2680, 79.4989,
82.5255

■ 79.6460, 92.4491,
90.5516

■ 80.8276, 92.9218,
96.7738

Harmonies

Analogous

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



33.8650, 23.7721, 68.6025



39.2237, 23.7721, 39.5669



39.5525, 23.7721, 17.5965

Triad

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



39.2237, 23.7721, 39.5669



19.4773, 23.7721, 2.9900



13.7024, 23.7721, 65.2568

Complementary

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



39.2237, 23.7721, 39.5669



32.8910, 54.0790, 30.5373

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.



11.3447, 23.7721, 36.4338



39.2237, 23.7721, 39.5669



14.1515, 23.7721, 6.0532

Square

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



39.2237, 23.7721, 39.5669



26.9702, 23.7721, 3.1469



11.4887, 23.7721, 15.7866



18.7200, 23.7721, 88.1650

Rectangle

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



39.2237, 23.7721, 39.5669



36.7759, 23.7721, 9.3081



11.4887, 23.7721, 15.7866



12.6272, 23.7721, 55.4194

Sweetspot

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



39.2244, 23.7733, 39.5673



78.7437, 71.7878, 89.8987



25.1833, 15.8743, 68.7548



16.4022, 14.5951, 18.6782



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.



39.2244, 23.7733, 39.5673



51.5057, 28.0534, 47.7046



34.4281, 21.8548, 14.3104



13.3996, 13.1889, 15.3657



20.0994, 10.0408, 15.4355



1.3432, 0.6669, 1.2162

Inverse Universe

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



39.2244, 23.7733, 39.5673



51.5057, 28.0534, 47.7046



39.2214, 56.6112, 63.8726



13.3996, 13.1889, 15.3657



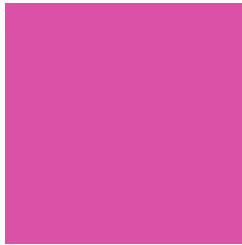
20.0994, 10.0408, 15.4355



1.3432, 0.6669, 1.2162

Previews

White Background



This preview shows how the XYZ color 39.2237, 23.7721, 39.5669 looks on a white background.

Color Contrast Check

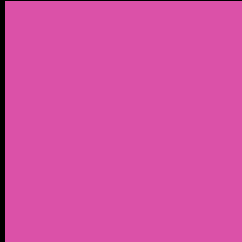
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.2237, 23.7721, 39.5669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

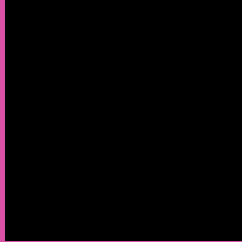
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.2237, 23.7721, 39.5669

Background



This preview shows how black text looks on a background with the XYZ color 39.2237, 23.7721, 39.5669.

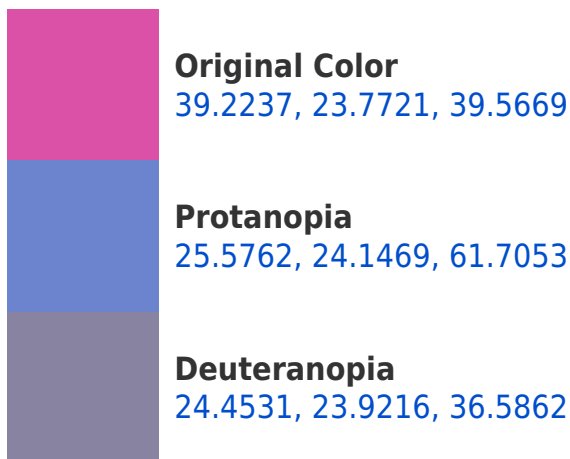


This preview shows how white text looks on a background with the XYZ color 39.2237, 23.7721,

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

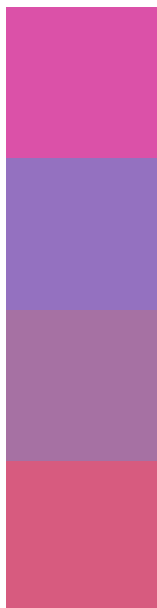




Tritanopia

34.2140, 23.6950, 15.8670

Trichromacy



Original Color

39.2237, 23.7721, 39.5669

Protanomaly

27.6323, 21.9119, 52.6422

Deuteranomaly

28.2419, 22.5616, 37.5166

Tritanomaly

35.5962, 23.4615, 22.7311

Monochromacy



Original Color

39.2237, 23.7721, 39.5669

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

26.3258, 21.7471, 29.5982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2237, 23.7721, 39.5669 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(219, 81, 168)` looks like.

```
.text, #text, p{  
    color:rgb(219, 81, 168)  
}
```

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(219, 81, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 81, 168) }
```

Border

The CSS property to change the border of an element to XYZ 39.2237, 23.7721, 39.5669 is called "border". The border property can be set on classes, ids or directly on the HTML element.

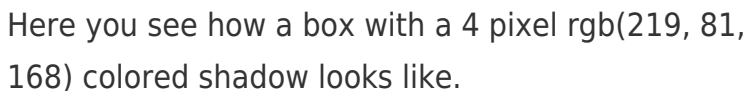
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(219, 81, 168) }
```


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

```
.border{ border-color:rgb(219, 81, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(219, 81, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 81, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 81, 168); box-shadow:4px 4px 4px 4px rgb(219, 81, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2237, 23.7721, 39.5669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 81, 168) }
```

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

```
.background{ background-color: rgb(219, 81,  
168) }
```

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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