

Converting Colors

XYZ(39.1117, 22.1311, 43.4581)

Have a look what the booklet for
XYZ(39.1117, 22.1311, 43.4581)
contains.

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Color

**XYZ(38.9981, 22.0911,
43.2829)**

Conversions

Conversions Part 1

Format	Color
Hex	DB42B0
RGB	219, 66, 176
RGB Percent	86%, 26%, 69%
CMY	0.1412, 0.7411, 0.3098
CMYK	0.00, 0.70, 0.20, 0.14
HSL	317°, 68%, 56%
HSV	317°, 70%, 86%
XYZ	38.9981, 22.0911, 43.2829
YIQ	124.2870, 55.8780, 66.6460

Conversions

Conversions Part 2

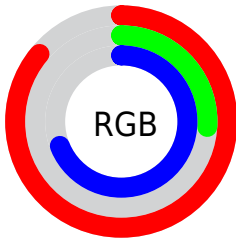
Format	Color
R _Y B	219, 66, 176
Decimal	14369456
CIE Lab	54.12, 69.28, -26.15
CIE LCh	54, 74.055, 339.319
Yxy	22.0911, 0.3736, 0.2117
Android (android.graphics.Color)	4292559536 (0xFFDB42B0)
YUV	124.2870, 25.4945, 83.0633
Hunter-Lab	47.0012, 65.8541, -21.6987

Details

The XYZ color **38.9981, 22.0911, 43.2829** 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 **30.3398, 52.9262, 23.0872**, and the grayscale version is **19.1597, 20.1575, 21.9515**.

A 20% lighter version of the original color is **63.2663, 42.0079, 81.1178**, and **18.0724, 8.9036, 19.5049** is the 20% darker color. If you saturate the color by 10%, you get **37.3594, 19.7661, 39.7997**, and if you desaturate by 10%, it is **41.1554, 25.4085, 47.0756**.

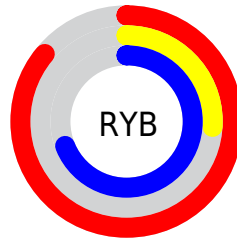
Distribution



Red (86%)

Green (26%)

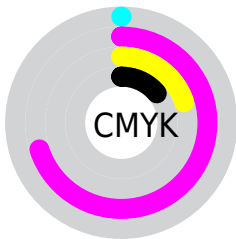
Blue (69%)



Red (86%)

Yellow (26%)

Blue (69%)

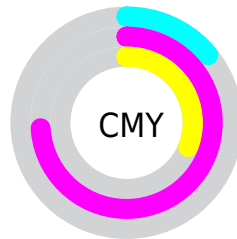


Cyan (0%)

Magenta (70%)

Yellow (20%)

Black (14%)



Cyan (14%)


Magenta (74%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9981, 22.0911, 43.2829 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 38.9981, 22.0911, 43.2829 by changing the saturation by 10% instead.

 38.9981, 22.0911,
43.2829

 38.9981, 22.0911,
43.2829

333.0897,
263.0217, 375.7292

 26.9390, 13.9239,
29.7741


 72.9295, 46.8965,
81.4285


 17.6637, 8.0677,
19.4166


 95.5325, 64.3035,
106.9024


 10.8071, 4.1383,
11.7918


 122.3808, 85.5591,
137.2018

 6.0036, 1.7512,
6.4813

 153.8398,
111.0479, 172.7451

 2.8879, 0.4565,
3.0664

 190.2748,
141.1541, 213.9510

 1.0948, 0.0000,
1.1286

232.0513,

 0.0207, 0.0000,

176.2622, 261.2380

0.0000

279.5344,
216.7566, 315.0245

■ 0.0000, 0.0000,
0.0000

■ 38.9981, 22.0911,
43.2829

■ 38.9981, 22.0911,
43.2829

■ 37.3594, 19.7661,
39.7997

■ 41.1554, 25.4085,
47.0756

■ 36.1774, 18.3111,
36.6030

■ 43.8796, 29.8151,
51.1951


■ 35.3485, 17.5195,
33.6567


■ 47.2155, 35.3999,
55.6582


■ 35.3377, 17.5098,
33.6164


■ 51.2029, 42.2417,
60.4800

■ 55.8780, 50.4127,
65.6740

 61.2745, 59.9793,
71.2532

 67.4235, 71.0037,
77.2296

 74.3546, 83.5442,
83.6145

 79.4536, 92.3722,
89.5381

Harmonies

Analogous

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



32.3727, 22.0911, 77.0096



38.9981, 22.0911, 43.2829



40.2052, 22.0911, 17.5824

Triad

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



38.9981, 22.0911, 43.2829



18.5956, 22.0911, 1.4888



11.1775, 22.0911, 64.3360

Complementary

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



38.9981, 22.0911, 43.2829



30.3398, 52.9262, 23.0872

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.



9.1528, 22.0911, 31.9444



38.9981, 22.0911, 43.2829



12.6574, 22.0911, 3.5034

Square

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



38.9981, 22.0911, 43.2829



26.9325, 22.0911, 1.8720



9.6150, 22.0911, 11.5771



16.0046, 22.0911, 93.6274

Rectangle

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



38.9981, 22.0911, 43.2829



37.5324, 22.0911, 8.2526



9.6150, 22.0911, 11.5771



10.2106, 22.0911, 52.8375

Sweetspot

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



38.9988, 22.0922, 43.2833



77.9523, 69.5317, 91.7109



20.7752, 12.1258, 68.2637



16.2781, 14.1689, 19.1856



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.



38.9988, 22.0922, 43.2833



51.8534, 26.7630, 53.9421



33.5461, 19.9111, 14.5694



13.4502, 13.2092, 15.6318



21.0024, 10.4020, 20.1905



1.3967, 0.6883, 1.4980

Inverse Universe

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



38.9988, 22.0922, 43.2833



51.8534, 26.7630, 53.9421



36.1578, 55.2534, 53.7242



13.4502, 13.2092, 15.6318



21.0024, 10.4020, 20.1905



1.3967, 0.6883, 1.4980

Previews

White Background



This preview shows how the XYZ color 38.9981, 22.0911, 43.2829 looks on a white background.

Color Contrast Check

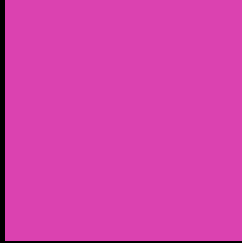
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9981, 22.0911, 43.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

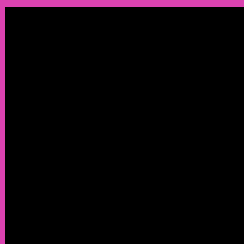
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.9981, 22.0911, 43.2829

Background



This preview shows how black text looks on a background with the XYZ color 38.9981, 22.0911, 43.2829.



This preview shows how white text looks on a background with the XYZ color 38.9981, 22.0911,

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

38.9981, 22.0911, 43.2829

Protanopia

25.1105, 22.6412, 74.2809

Deuteranopia

22.8626, 22.4393, 39.6854



Tritanopia

32.9189, 22.1539, 13.6074

Trichromacy



Original Color

38.9981, 22.0911, 43.2829



Protanomaly

26.3057, 19.7590, 61.4589



Deuteranomaly

26.4078, 20.2745, 40.5517



Tritanomaly

34.6684, 21.8126, 21.7851

Monochromacy



Original Color

38.9981, 22.0911, 43.2829



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

24.1062, 19.0546, 28.3940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9981, 22.0911, 43.2829 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, 66, 176)` looks like.

```
.text, #text, p{  
    color:rgb(219, 66, 176)  
}
```

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, 66, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 66, 176) }
```

Border

The CSS property to change the border of an element to XYZ 38.9981, 22.0911, 43.2829 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, 66, 176) }
```


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

```
.border{ border-color:rgb(219, 66, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 66, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 66, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 66, 176);  
box-shadow:4px 4px 4px 4px rgb(219, 66,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9981, 22.0911, 43.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 66, 176) }
```

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

```
.background{ background-color: rgb(219, 66,  
176) }
```

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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