

Converting Colors

XYZ(38.1737, 19.1582, 44.0212)

Have a look what the booklet for
XYZ(38.1737, 19.1582, 44.0212)
contains.

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Color

**XYZ(38.1416, 19.1603,
43.8075)**

Conversions

Conversions Part 1

Format	Color
Hex	DD16B2
RGB	221, 22, 178
RGB Percent	87%, 9%, 70%
CMY	0.1333, 0.9136, 0.3020
CMYK	0.00, 0.90, 0.19, 0.13
HSL	313°, 82%, 48%
HSV	313°, 90%, 87%
XYZ	38.1416, 19.1603, 43.8075
YIQ	99.2850, 68.5280, 90.7040

Conversions

Conversions Part 2

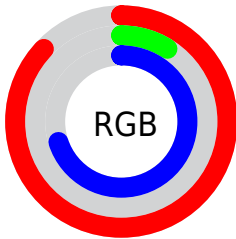
Format	Color
R _Y B	221, 22, 178
Decimal	14489266
CIE Lab	50.87, 80.55, -32.35
CIE LCh	51, 86.801, 338.120
Yxy	19.1603, 0.3772, 0.1895
Android (android.graphics.Color)	4292679346 (0xFFDD16B2)
YUV	99.2850, 38.8065, 106.7441
Hunter-Lab	43.7725, 78.9360, -28.6967

Details

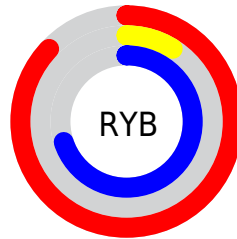
The XYZ color **38.1416, 19.1603, 43.8075** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **27.1428, 52.2660, 13.6622**, and the grayscale version is **11.8277, 12.4437, 13.5511**.

A 20% lighter version of the original color is **60.6485, 36.3149, 81.6548**, and **18.3996, 9.0577, 20.1806** is the 20% darker color. If you saturate the color by 10%, you get **37.3852, 18.3987, 41.2386**, and if you desaturate by 10%, it is **39.2482, 20.5923, 46.5839**.

Distribution



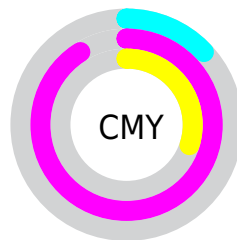
- Red (87%)
- Green (9%)
- Blue (70%)



- Red (87%)
- Yellow (9%)
- Blue (70%)



- Cyan (0%)
- Magenta (90%)
- Yellow (19%)
- Black (13%)





- Cyan (13%)
- Magenta (91%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1416, 19.1603, 43.8075 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 38.1416, 19.1603, 43.8075 by changing the saturation by 10% instead.

 38.1416, 19.1603,
43.8075


 38.1416, 19.1603,
43.8075

329.4974,
247.3323, 377.9405

 26.2703, 11.7862,
30.1831


 71.6276, 42.0048,
82.2274


 17.1597, 6.5982,
19.7244


 93.9731, 58.2439,
107.8600


 10.4444, 3.2121,
12.0128


 120.5406, 78.2069,
138.3324

 5.7591, 1.2435,
6.6297

 151.6956,
102.2780, 174.0631

 2.7384, 0.0968,
3.1567

 187.8035,
130.8417, 215.4708

 1.0170, 0.0000,
1.1752

 229.2295,

 0.0000, 0.0000,

164.2824, 262.9739

0.0000

276.3390,
202.9845, 316.9909

■ 38.1416, 19.1603,
43.8075

■ 38.1416, 19.1603,
43.8075

■ 37.3852, 18.3987,
41.2386

■ 39.2482, 20.5923,
46.5839

■ 40.8091, 22.9063,
49.5947

■ 42.8861, 26.2251,
52.8616

■ 45.5306, 30.6515,
56.4025

■ 48.7878, 36.2755,
60.2332

■ 52.6981, 43.1777,
64.3679

■ 57.2985, 51.4319,
68.8197

■ 62.6233, 61.1062,
73.6009

■ 68.7041, 72.2640,
78.7226

Harmonies

Analogous

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



30.3722, 19.1603, 84.2176



38.1416, 19.1603, 43.8075



39.8360, 19.1603, 14.8896

Triad

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



38.1416, 19.1603, 43.8075



15.9849, 19.1603, 0.1247



8.0924, 19.1603, 65.5592

Complementary

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



38.1416, 19.1603, 43.8075



27.1428, 52.2660, 13.6622

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.



6.2972, 19.1603, 28.2505



38.1416, 19.1603, 43.8075



9.8262, 19.1603, 1.4142

Square

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



38.1416, 19.1603, 43.8075



25.0560, 19.1603, 0.5010



6.8132, 19.1603, 7.7691



12.7426, 19.1603, 102.2428

Rectangle

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



38.1416, 19.1603, 43.8075



36.9159, 19.1603, 5.6027



6.8132, 19.1603, 7.7691



7.2138, 19.1603, 51.8813

Sweetspot

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



38.1423, 19.1613, 43.8078



74.5767, 62.7395, 90.7118



15.3138, 6.8134, 68.9151



15.5218, 12.6427, 18.9753



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.



38.1423, 19.1613, 43.8078



51.6528, 25.4251, 56.7632



31.6185, 16.5518, 9.4544



13.4876, 13.2241, 15.8290



21.7609, 10.7054, 24.1849



1.4404, 0.7058, 1.7278

Inverse Universe

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



38.1423, 19.1613, 43.8078



51.6528, 25.4251, 56.7632



32.6482, 54.4682, 42.6531



13.4876, 13.2241, 15.8290



21.7609, 10.7054, 24.1849



1.4404, 0.7058, 1.7278

Previews

White Background



This preview shows how the XYZ color 38.1416, 19.1603, 43.8075 looks on a white background.

Color Contrast Check

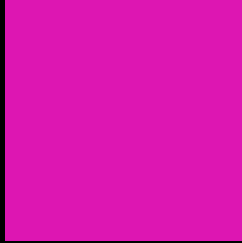
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.1416, 19.1603, 43.8075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

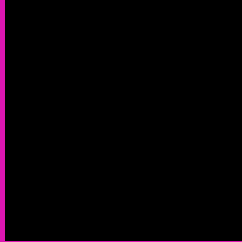
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.1416, 19.1603, 43.8075

Background



This preview shows how black text looks on a background with the XYZ color 38.1416, 19.1603, 43.8075.



This preview shows how white text looks on a background with the XYZ color 38.1416, 19.1603,

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

38.1416, 19.1603, 43.8075

Protanopia

23.8459, 19.9349, 92.2135

Deuteranopia

19.8759, 19.4111, 39.2584



Tritanopia

30.7732, 19.1536, 8.9126

Trichromacy



Original Color

38.1416, 19.1603, 43.8075



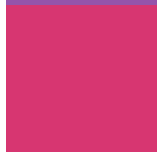
Protanomaly

20.8262, 13.7895, 71.3760



Deuteranomaly

22.9154, 15.6705, 40.3450



Tritanomaly

32.3241, 18.2777, 17.4471

Monochromacy



Original Color

38.1416, 19.1603, 43.8075



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

17.4772, 11.9046, 21.7987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1416, 19.1603, 43.8075 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(221, 22, 178)` looks like.

```
.text, #text, p{  
  color:rgb(221, 22, 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(221, 22, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 22, 178) }
```

Border

The CSS property to change the border of an element to XYZ 38.1416, 19.1603, 43.8075 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(221, 22, 178) }
```


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

```
.border{ border-color:rgb(221, 22, 178) }
```

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

Here you see how a box with a 4 pixel rgb(221, 22, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 22, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 22, 178);  
box-shadow:4px 4px 4px 4px rgb(221, 22,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1416, 19.1603, 43.8075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 22, 178) }
```

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

```
.background{ background-color: rgb(221, 22,  
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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