

Converting Colors

XYZ(38.1660, 20.4402, 39.4591)

Have a look what the booklet for
XYZ(38.1660, 20.4402, 39.4591)
contains.

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Color

**XYZ(38.0372, 20.3506,
39.4594)**

Conversions

Conversions Part 1

Format	Color
Hex	DD30A9
RGB	221, 48, 169
RGB Percent	87%, 19%, 66%
CMY	0.1333, 0.8117, 0.3373
CMYK	0.00, 0.78, 0.24, 0.13
HSL	318°, 72%, 53%
HSV	318°, 78%, 87%
XYZ	38.0372, 20.3506, 39.4594
YIQ	113.5210, 64.2670, 74.3070

Conversions

Conversions Part 2

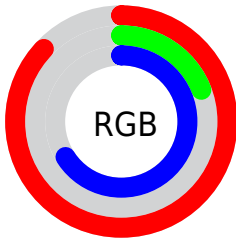
Format	Color
R_{YB}	221, 48, 169
Decimal	14495913
CIE _{Lab}	52.23, 74.36, -24.95
CIE _{LCh}	52, 78.436, 341.451
Yxy	20.3506, 0.3887, 0.2080
Android (android.graphics.Color)	4292685993 (0xFFDD30A9)
YUV	113.5210, 27.3511, 94.2591
Hunter-Lab	45.1116, 71.5621, -20.2831

Details

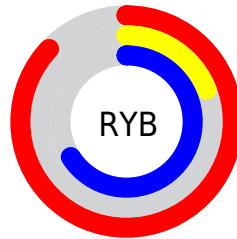
The XYZ color **38.0372, 20.3506, 39.4594** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **29.3769, 53.2622, 20.7918**, and the grayscale version is **15.7602, 16.5810, 18.0567**.

A 20% lighter version of the original color is **60.5997, 38.4521, 74.7490**, and **17.9088, 8.8614, 17.5961** is the 20% darker color. If you saturate the color by 10%, you get **36.7398, 18.7285, 36.0277**, and if you desaturate by 10%, it is **39.8174, 22.8870, 43.2087**.

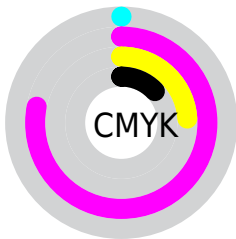
Distribution



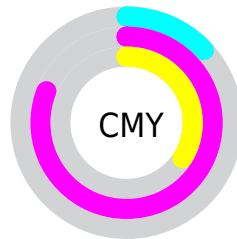
- Red (87%)
- Green (19%)
- Blue (66%)



- Red (87%)
- Yellow (19%)
- Blue (66%)



- Cyan (0%)
- Magenta (78%)
- Yellow (24%)
- Black (13%)




- Cyan (13%)
- Magenta (81%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0372, 20.3506, 39.4594 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 38.0372, 20.3506, 39.4594 by changing the saturation by 10% instead.

 38.0372, 20.3506,
39.4594


 38.0372, 20.3506,
39.4594

329.0576,
253.8068, 359.3238


 26.1889, 12.6502,
26.8067


 71.4687, 44.0042,
75.5677


 17.0984, 7.1881,
17.1970


 93.7826, 60.7262,
99.8603


 10.4004, 3.5800,
10.2116


 120.3157, 81.2241,
128.8701

 5.7296, 1.4415,
5.4320

 151.4335,
105.8823, 163.0154

 2.7204, 0.2470,
2.4398

 187.5012,
135.0854, 202.7149

 1.0077, 0.0000,
0.8080

228.8842,

 0.0000, 0.0000,

169.2175, 248.3872

0.0000

275.9479,
208.6632, 300.4506

■ 38.0372, 20.3506,
39.4594

■ 38.0372, 20.3506,
39.4594

■ 36.7398, 18.7285,
36.0277

■ 39.8174, 22.8870,
43.2087

■ 35.8369, 17.8456,
32.8814

■ 42.1376, 26.4525,
47.2965

■ 35.6992, 17.7243,
32.3602

■ 45.0492, 31.1484,
51.7422

■ 48.5965, 37.0628,
56.5628

■ 52.8196, 44.2754,
61.7737

57.7553, 52.8588,
67.3894

63.4374, 62.8803,
73.4230

69.8978, 74.4027,
79.8872

77.1663, 87.4853,
86.7940

Harmonies

Analogous

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



31.5027, 20.3506, 74.7455



38.0372, 20.3506, 39.4594



38.8208, 20.3506, 14.4722

Triad

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



38.0372, 20.3506, 39.4594



16.4299, 20.3506, 0.9214



9.9073, 20.3506, 66.3546

Complementary

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



38.0372, 20.3506, 39.4594



29.3769, 53.2622, 20.7918

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.



7.7940, 20.3506, 32.1742



38.0372, 20.3506, 39.4594



10.8000, 20.3506, 2.7741

Square

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



38.0372, 20.3506, 39.4594



24.6952, 20.3506, 1.1033



8.0676, 20.3506, 10.8381



14.8254, 20.3506, 96.3361

Rectangle

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



38.0372, 20.3506, 39.4594



35.7765, 20.3506, 6.1446



8.0676, 20.3506, 10.8381



8.9163, 20.3506, 54.2631

Sweetspot

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



38.0379, 20.3517, 39.4598



76.3992, 67.0340, 89.3166



19.3540, 10.0394, 69.3248



15.8342, 13.4491, 18.5198



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.



38.0379, 20.3517, 39.4598



49.9568, 25.0269, 46.9683



32.4227, 18.1056, 9.8906



13.4390, 13.2047, 15.5728



20.7903, 10.3172, 19.0738



1.3843, 0.6834, 1.4328

Inverse Universe

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



38.0379, 20.3517, 39.4598



49.9568, 25.0269, 46.9683



35.9819, 55.9042, 55.5733



13.4390, 13.2047, 15.5728



20.7903, 10.3172, 19.0738



1.3843, 0.6834, 1.4328

Previews

White Background



This preview shows how the XYZ color 38.0372, 20.3506, 39.4594 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 38.0372, 20.3506, 39.4594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

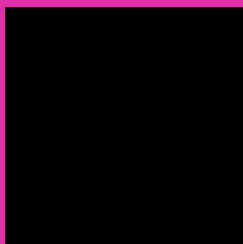
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.0372, 20.3506, 39.4594

Background



This preview shows how black text looks on a background with the XYZ color 38.0372, 20.3506, 39.4594.



This preview shows how white text looks on a background with the XYZ color 38.0372, 20.3506,

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

38.0372, 20.3506, 39.4594

Protanopia

23.5887, 20.9059, 74.7435

Deuteranopia

20.9487, 20.5911, 35.6712



Tritanopia

32.0173, 20.3695, 10.4278

Trichromacy



Original Color

38.0372, 20.3506, 39.4594



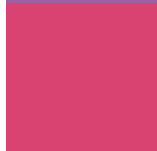
Protanomaly

24.0137, 17.1814, 59.8083



Deuteranomaly

24.5040, 18.0780, 36.8482



Tritanomaly

33.6597, 19.9809, 18.0022

Monochromacy



Original Color

38.0372, 20.3506, 39.4594



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

21.0961, 15.8059, 24.4932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0372, 20.3506, 39.4594 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, 48, 169)` looks like.

```
.text, #text, p{  
    color:rgb(221, 48, 169)  
}
```

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, 48, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 48, 169) }
```

Border

The CSS property to change the border of an element to XYZ 38.0372, 20.3506, 39.4594 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, 48, 169) }
```


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

```
.border{ border-color:rgb(221, 48, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 48, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 48, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 48, 169);  
box-shadow:4px 4px 4px 4px rgb(221, 48,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0372, 20.3506, 39.4594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 48, 169) }
```

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

```
.background{ background-color: rgb(221, 48,  
169) }
```

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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