

Converting Colors

XYZ(38.9371, 19.2325, 39.7878)

Have a look what the booklet for
XYZ(38.9371, 19.2325, 39.7878)
contains.

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Color

**XYZ(38.9343, 19.2332,
39.6905)**

Conversions

Conversions Part 1

Format	Color
Hex	E300AA
RGB	227, 0, 170
RGB Percent	89%, 0%, 67%
CMY	0.1098, 0.9998, 0.3333
CMYK	0.00, 1.00, 0.25, 0.11
HSL	315°, 100%, 45%
HSV	315°, 100%, 89%
XYZ	38.9343, 19.2332, 39.6905
YIQ	87.2530, 80.7220, 100.9940

Conversions

Conversions Part 2

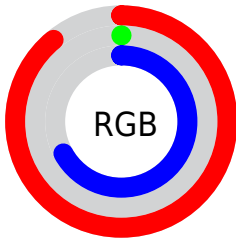
Format	Color
R_{YB}	227, 0, 170
Decimal	14876842
CIE _{Lab}	50.96, 82.72, -27.42
CIE _{LCh}	51, 87.148, 341.659
Yxy	19.2332, 0.3979, 0.1965
Android (android.graphics.Color)	4293066922 (0xFFE300AA)
YUV	87.2530, 40.7943, 122.5581
Hunter-Lab	43.8557, 81.7218, -22.9600

Details

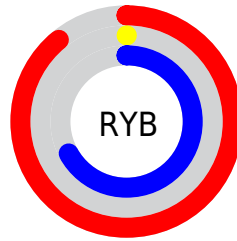
The XYZ color **38.9343, 19.2332, 39.6905** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **28.2094, 55.2346, 13.0513**, and the grayscale version is **9.0217, 9.4915, 10.3362**.

A 20% lighter version of the original color is **59.1503, 35.1167, 75.6121**, and **18.9368, 9.3913, 17.6443** is the 20% darker color. If you saturate the color by 10%, you get **38.9334, 19.2329, 39.6851**, and if you desaturate by 10%, it is **39.7870, 20.0565, 42.6938**.

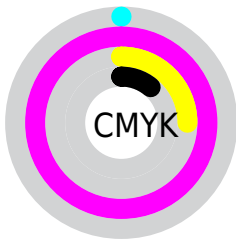
Distribution



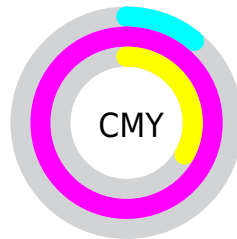
- Red (89%)
- Green (0%)
- Blue (67%)



- Red (89%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (25%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9343, 19.2332, 39.6905 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 38.9343, 19.2332, 39.6905 by changing the saturation by 10% instead.

 38.9343, 19.2332,
39.6905


 38.9343, 19.2332,
39.6905

332.8231,
247.7331, 360.3306


 26.8891, 11.8389,
26.9854


 72.8327, 42.1278,
75.9239


 17.6261, 6.6341,
17.3299


 95.4165, 58.3969,
100.2893


 10.7800, 3.2343,
10.3055


 122.2440, 78.3930,
129.3784

 5.9853, 1.2553,
5.4938

 153.6805,
102.5005, 163.6100

 2.8767, 0.1062,
2.4760

 190.0913,
131.1040, 203.4024

 1.0889, 0.0000,
0.8274

 231.8417,

 0.0158, 0.0000,

164.5876, 249.1743

0.0000

279.2972,
203.3359, 301.3442

■ 0.0000, 0.0000,
0.0000

■ 38.9343, 19.2332,
39.6905

■ 38.9343, 19.2332,
39.6905

■ 38.9334, 19.2329,
39.6851

■ 39.7870, 20.0565,
42.6938

■ 41.0160, 21.5946,
45.9393

■ 42.7354, 24.0750,
49.4665

■ 45.0104, 27.6282,
53.2985

■ 47.8963, 32.3638,
57.4550

■ 51.4414, 38.3779,
61.9535

■ 55.6888, 45.7569,
66.8097

■ 60.6783, 54.5793,
72.0381

■ 66.4462, 64.9179,
77.6521

Harmonies

Analogous

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



31.6446, 19.2332, 80.1131



38.9343, 19.2332, 39.6905



39.7671, 19.2332, 12.7454

Triad

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



38.9343, 19.2332, 39.6905



15.1342, 19.2332, 0.1755



8.4899, 19.2332, 70.9278

Complementary

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



38.9343, 19.2332, 39.6905



28.2094, 55.2346, 13.0513

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.



6.3859, 19.2332, 32.0621



38.9343, 19.2332, 39.6905



9.3349, 19.2332, 1.7359

Square

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



38.9343, 19.2332, 39.6905



24.0021, 19.2332, 0.3593



6.6369, 19.2332, 9.2826



13.5492, 19.2332, 105.9169

Rectangle

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



38.9343, 19.2332, 39.6905



36.3088, 19.2332, 4.6097



6.6369, 19.2332, 9.2826



7.4977, 19.2332, 56.9982

Sweetspot

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



38.9349, 19.2342, 39.6908



72.3694, 59.3439, 86.8349



15.5407, 6.4106, 73.0917



14.9650, 11.7853, 18.0005



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.



38.9349, 19.2342, 39.6908



50.6392, 25.0197, 51.4254



32.4123, 16.6252, 5.3433



14.8323, 14.5501, 17.3174



22.7551, 11.2363, 23.4031



1.7182, 0.8450, 1.9225

Inverse Universe

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



38.9349, 19.2342, 39.6908



50.6392, 25.0197, 51.4254



34.7503, 57.8509, 47.4949



14.8323, 14.5501, 17.3174



22.7551, 11.2363, 23.4031



1.7182, 0.8450, 1.9225

Previews

White Background



This preview shows how the XYZ color 38.9343, 19.2332, 39.6905 looks on a white background.

Color Contrast Check

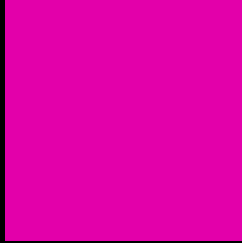
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9343, 19.2332, 39.6905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

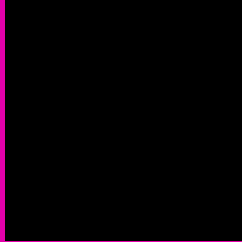
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.9343, 19.2332, 39.6905

Background



This preview shows how black text looks on a background with the XYZ color 38.9343, 19.2332, 39.6905.



This preview shows how white text looks on a background with the XYZ color 38.9343, 19.2332,

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

38.9343, 19.2332, 39.6905

Protanopia

23.7961, 20.2088, 86.6509

Deuteranopia

20.2978, 19.8910, 35.5704



Tritanopia

32.3261, 19.5166, 7.8577

Trichromacy



Original Color

38.9343, 19.2332, 39.6905



Protanomaly

21.6612, 13.5715, 66.4436



Deuteranomaly

22.9750, 15.0200, 36.3386



Tritanomaly

33.5896, 18.2980, 15.3972

Monochromacy



Original Color

38.9343, 19.2332, 39.6905



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.0583, 9.4200, 17.8542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9343, 19.2332, 39.6905 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(227, 0, 170)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 170)  
}
```

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(227, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 170) }
```

Border

The CSS property to change the border of an element to XYZ 38.9343, 19.2332, 39.6905 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(227, 0, 170) }
```


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

```
.border{ border-color:rgb(227, 0, 170) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9343, 19.2332, 39.6905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 170) }
```

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

```
.background{ background-color: rgb(227, 0,  
170) }
```

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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