

Converting Colors

XYZ(38.5666, 19.9538, 36.5883)

Have a look what the booklet for
XYZ(38.5666, 19.9538, 36.5883)
contains.

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Color

**XYZ(38.5469, 19.9571,
36.4708)**

Conversions

Conversions Part 1

Format	Color
Hex	E222A3
RGB	226, 34, 163
RGB Percent	89%, 13%, 64%
CMY	0.1137, 0.8666, 0.3608
CMYK	0.00, 0.85, 0.28, 0.11
HSL	320°, 77%, 51%
HSV	320°, 85%, 89%
XYZ	38.5469, 19.9571, 36.4708
YIQ	106.1140, 73.0230, 80.8230

Conversions

Conversions Part 2

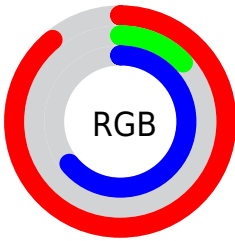
Format	Color
R_{YB}	226, 34, 163
Decimal	14820003
CIE _{Lab}	51.79, 77.91, -22.02
CIE _{LCh}	52, 80.960, 344.218
Yxy	19.9571, 0.4059, 0.2101
Android (android.graphics.Color)	4293010083 (0xFFE222A3)
YUV	106.1140, 28.0448, 105.1400
Hunter-Lab	44.6734, 75.8423, -17.1323

Details

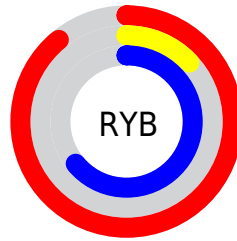
The XYZ color **38.5469, 19.9571, 36.4708** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **30.0151, 55.5966, 20.4626**, and the grayscale version is **13.6447, 14.3553, 15.6329**.

A 20% lighter version of the original color is **58.9465, 36.4251, 70.2536**, and **18.5951, 9.2547, 15.8452** is the 20% darker color. If you saturate the color by 10%, you get **37.4542, 18.8041, 32.9237**, and if you desaturate by 10%, it is **40.1036, 21.9754, 40.3652**.

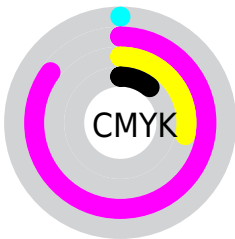
Distribution



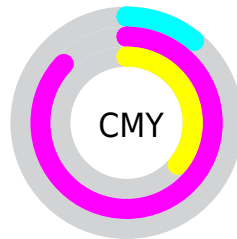
- Red (89%)
- Green (13%)
- Blue (64%)



- Red (89%)
- Yellow (13%)
- Blue (64%)



- Cyan (0%)
- Magenta (85%)
- Yellow (28%)
- Black (11%)





- Cyan (11%)
- Magenta (87%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5469, 19.9571, 36.4708 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 38.5469, 19.9571, 36.4708 by changing the saturation by 10% instead.


 38.5469, 19.9571,
36.4708


 38.5469, 19.9571,
36.4708


331.2007,
251.6828, 346.1131


 26.5866, 12.3639,
24.5055


 72.2441, 43.3452,
70.9353


 17.3979, 6.9920,
15.4933


 94.7117, 59.9089,
94.2716


 10.6157, 3.4571,
9.0159


 121.4125, 80.2316,
122.2352

 5.8744, 1.3748,
4.6546

 152.7117,
104.6976, 155.2448

 2.8088, 0.1980,
1.9909

 188.9748,
133.6913, 193.7188

 1.0535, 0.0000,
0.5497

230.5671,

 0.0000, 0.0000,

167.5971, 238.0759

0.0000

277.8539,
206.7995, 288.7344

■ 38.5469, 19.9571,
36.4708

■ 38.5469, 19.9571,
36.4708

■ 37.4542, 18.8041,
32.9237

■ 40.1036, 21.9754,
40.3652

■ 37.0183, 18.4305,
31.2425

■ 42.1949, 24.9998,
44.6331

■ 44.8808, 29.1489,
49.2978

■ 48.2125, 34.5242,
54.3794

■ 52.2354, 41.2155,
59.8959

■ 56.9906, 49.3043,
65.8641

■ 62.5162, 58.8654,
72.2994

■ 68.8472, 69.9682,
79.2163

■ 76.0166, 82.6780,
86.6285

Harmonies

Analogous

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



32.2263, 19.9571, 72.8192



38.5469, 19.9571, 36.4708



38.7259, 19.9571, 12.4189

Triad

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



38.5469, 19.9571, 36.4708



15.3536, 19.9571, 0.7558



9.7637, 19.9571, 70.8845

Complementary

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



38.5469, 19.9571, 36.4708



30.0151, 55.5966, 20.4626

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.



7.4219, 19.9571, 34.8148



38.5469, 19.9571, 36.4708



9.9605, 19.9571, 2.7745

Square

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



38.5469, 19.9571, 36.4708



23.5883, 19.9571, 0.7958



7.4817, 19.9571, 11.6167



14.9953, 19.9571, 100.5866

Rectangle

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



38.5469, 19.9571, 36.4708



35.2222, 19.9571, 4.9436



7.4817, 19.9571, 11.6167



8.6896, 19.9571, 58.2994

Sweetspot

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



38.5475, 19.9582, 36.4711



74.7882, 64.5759, 86.4250



18.9998, 9.0588, 72.6989



15.5118, 12.9736, 17.8906



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.



38.5475, 19.9582, 36.4711



48.6213, 24.2125, 40.7996



33.0175, 17.7462, 7.3502



14.0937, 13.8551, 16.2639



21.1758, 10.5373, 18.1233



1.5085, 0.7467, 1.4707

Inverse Universe

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



38.5475, 19.9582, 36.4711



48.6213, 24.2125, 40.7996



37.2390, 58.4862, 58.5031



14.0937, 13.8551, 16.2639



21.1758, 10.5373, 18.1233



1.5085, 0.7467, 1.4707

Previews

White Background



This preview shows how the XYZ color 38.5469, 19.9571, 36.4708 looks on a white background.

Color Contrast Check

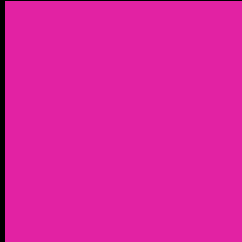
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5469, 19.9571, 36.4708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

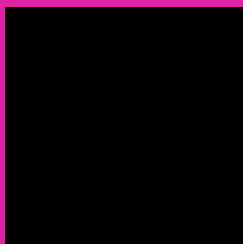
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.5469, 19.9571, 36.4708

Background



This preview shows how black text looks on a background with the XYZ color 38.5469, 19.9571, 36.4708.



This preview shows how white text looks on a background with the XYZ color 38.5469, 19.9571,

36.4708.

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

38.5469, 19.9571, 36.4708

Protanopia

23.1756, 20.5275, 73.9749

Deuteranopia

20.7353, 20.3566, 32.9733



Tritanopia

32.6396, 19.9348, 8.6061

Trichromacy



Original Color

38.5469, 19.9571, 36.4708



Protanomaly

23.2863, 16.0762, 57.7528



Deuteranomaly

24.2392, 17.2202, 33.9446



Tritanomaly

34.1888, 19.4965, 15.5969

Monochromacy



Original Color

38.5469, 19.9571, 36.4708



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

19.2771, 13.7537, 21.7174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5469, 19.9571, 36.4708 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(226, 34, 163)` looks like.

```
.text, #text, p{  
    color:rgb(226, 34, 163)  
}
```

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(226, 34, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 34, 163) }
```

Border

The CSS property to change the border of an element to XYZ 38.5469, 19.9571, 36.4708 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(226, 34, 163) }
```


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

```
.border{ border-color:rgb(226, 34, 163) }
```

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

Here you see how a box with a 4 pixel rgb(226, 34, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 34, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 34, 163);  
box-shadow:4px 4px 4px 4px rgb(226, 34,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5469, 19.9571, 36.4708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 34, 163) }
```

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

```
.background{ background-color: rgb(226, 34,  
163) }
```

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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