

Converting Colors

XYZ(30.7836, 15.0312, 39.3157)

Have a look what the booklet for
XYZ(30.7836, 15.0312, 39.3157)
contains.

XYZ(30.8089, 15.0444, 39.3103)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.8089, 15.0444,
39.3103)**

Conversions

Conversions Part 1

Format	Color
Hex	C700AA
RGB	199, 0, 170
RGB Percent	78%, 0%, 67%
CMY	0.2196, 0.9999, 0.3333
CMYK	0.00, 1.00, 0.15, 0.22
HSL	309°, 100%, 39%
HSV	309°, 100%, 78%
XYZ	30.8089, 15.0444, 39.3103
YIQ	78.8810, 64.0340, 95.0580

Conversions

Conversions Part 2

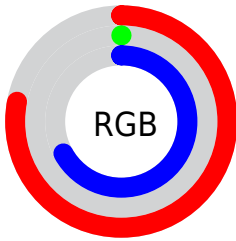
Format	Color
R_{YB}	199, 0, 170
Decimal	13041834
CIE _{Lab}	45.69, 77.54, -36.04
CIE _{LCh}	46, 85.505, 335.070
Yxy	15.0444, 0.3618, 0.1767
Android (android.graphics.Color)	4291231914 (0xFFC700AA)
YUV	78.8810, 44.9217, 105.3444
Hunter-Lab	38.7871, 73.9065, -32.9388

Details

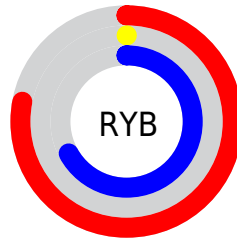
The XYZ color **30.8089, 15.0444, 39.3103** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **20.6461, 40.9362, 7.9777**, and the grayscale version is **7.3206, 7.7019, 8.3874**.

A 20% lighter version of the original color is **58.6236, 34.0633, 75.4366**, and **14.0261, 6.8598, 17.4144** is the 20% darker color. If you saturate the color by 10%, you get **30.8087, 15.0443, 39.3083**, and if you desaturate by 10%, it is **31.3355, 15.6534, 40.8547**.

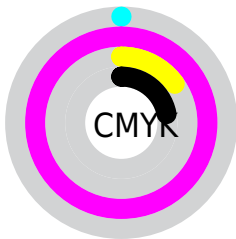
Distribution



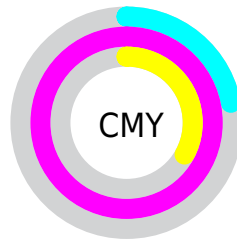
- Red (78%)
- Green (0%)
- Blue (67%)



- Red (78%)
- Yellow (0%)
- Blue (67%)



- Cyan (0%)
- Magenta (100%)
- Yellow (15%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8089, 15.0444, 39.3103 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 30.8089, 15.0444, 39.3103 by changing the saturation by 10% instead.

 30.8089, 15.0444,
39.3103


 30.8089, 15.0444,
39.3103


297.4996,
223.6348, 358.6732


 20.6045, 8.8506,
26.6915


 60.3170, 34.9311,
75.3377

 12.9460, 4.6438,
17.1113


 80.3513, 49.3926,
99.5833

 7.4681, 2.0398,
10.1511


 104.3931, 67.3789,
128.5417

 3.8055, 0.6305,
5.3923

 132.8075, 89.2743,
162.6314

 1.5927, 0.0000,
2.4165

 165.9600,
115.4632, 202.2708

 0.3876, 0.0000,
0.7954

 204.2160,

 0.0000, 0.0000,

146.3300, 247.8785

0.0000

247.9407,
182.2591, 299.8732

■ 30.8089, 15.0444,
39.3103

■ 30.8089, 15.0444,
39.3103

■ 30.8087, 15.0443,
39.3083

■ 31.3355, 15.6534,
40.8547

■ 32.1233, 16.7751,
42.5162

■ 33.2617, 18.5884,
44.3247

■ 34.7975, 21.1866,
46.2962

■ 36.7702, 24.6486,
48.4439

■ 39.2145, 29.0438,
50.7795

■ 42.1615, 34.4344,
53.3138

■ 45.6397, 40.8774,
56.0562

■ 49.6755, 48.4252,
59.0159

Harmonies

Analogous

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



23.7790, 15.0444, 74.6472



30.8089, 15.0444, 39.3103



32.9087, 15.0444, 13.1317

Triad

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



30.8089, 15.0444, 39.3103



13.1145, 15.0444, 0.0000



5.7204, 15.0444, 51.1759

Complementary

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



30.8089, 15.0444, 39.3103



20.6461, 40.9362, 7.9777

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.



4.4906, 15.0444, 20.1259



30.8089, 15.0444, 39.3103



7.7479, 15.0444, 0.6154

Square

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



30.8089, 15.0444, 39.3103



20.9367, 15.0444, 0.0871



5.0838, 15.0444, 4.7346



9.2377, 15.0444, 84.6604

Rectangle

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



30.8089, 15.0444, 39.3103



30.7850, 15.0444, 4.6963



5.0838, 15.0444, 4.7346



5.0910, 15.0444, 39.4681

Sweetspot

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



30.8094, 15.0452, 39.3106



73.5664, 59.8227, 93.1381



10.7497, 4.3513, 54.3066



15.2538, 11.9008, 19.5212



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.



30.8094, 15.0452, 39.3106



53.8731, 26.3132, 68.4548



24.7558, 12.6237, 7.4328



11.0141, 10.7890, 13.0574



19.8357, 9.6838, 25.4084



0.9579, 0.4660, 1.3013

Inverse Universe

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



30.8094, 15.0452, 39.3106



53.8731, 26.3132, 68.4548



24.1928, 42.3549, 26.6541



11.0141, 10.7890, 13.0574



19.8357, 9.6838, 25.4084



0.9579, 0.4660, 1.3013

Previews

White Background



This preview shows how the XYZ color 30.8089, 15.0444, 39.3103 looks on a white background.

Color Contrast Check

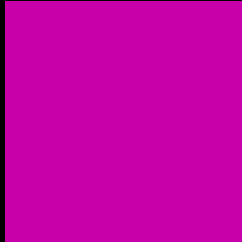
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 30.8089, 15.0444, 39.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

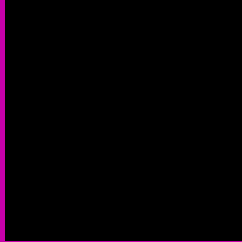
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.8089, 15.0444, 39.3103

Background



This preview shows how black text looks on a background with the XYZ color 30.8089, 15.0444, 39.3103.



This preview shows how white text looks on a background with the XYZ color 30.8089, 15.0444,

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

30.8089, 15.0444, 39.3103

Protanopia

18.8815, 15.7991, 74.0059

Deuteranopia

16.0410, 15.6646, 34.9790



Tritanopia

24.3797, 15.4164, 7.6519

Trichromacy



Original Color

30.8089, 15.0444, 39.3103



Protanomaly

15.8202, 9.8483, 59.4596



Deuteranomaly

17.9449, 11.6464, 35.9525



Tritanomaly

25.5100, 14.1267, 15.2921

Monochromacy



Original Color

30.8089, 15.0444, 39.3103



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.2336, 7.6620, 16.1634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8089, 15.0444, 39.3103 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(199, 0, 170)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 0, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 170) }
```

Border

The CSS property to change the border of an element to XYZ 30.8089, 15.0444, 39.3103 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(199, 0, 170) }
```


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

```
.border{ border-color:rgb(199, 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(199, 0, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 170);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8089, 15.0444, 39.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 170) }
```

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

```
.background{ background-color: rgb(199, 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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