

Converting Colors

XYZ(39.4320, 19.6839, 39.9834)

Have a look what the booklet for
XYZ(39.4320, 19.6839, 39.9834)
contains.

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Color

**XYZ(39.3821, 19.6592,
39.7491)**

Conversions

Conversions Part 1

Format	Color
Hex	E40CAA
RGB	228, 12, 170
RGB Percent	89%, 5%, 67%
CMY	0.1059, 0.9528, 0.3333
CMYK	0.00, 0.95, 0.25, 0.11
HSL	316°, 90%, 47%
HSV	316°, 95%, 89%
XYZ	39.3821, 19.6592, 39.7491
YIQ	94.5960, 78.0180, 94.9300

Conversions

Conversions Part 2

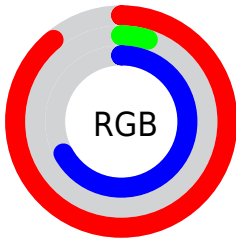
Format	Color
R_{YB}	228, 12, 170
Decimal	14945450
CIE _{Lab}	51.45, 82.02, -26.65
CIE _{LCh}	51, 86.243, 342.003
Yxy	19.6592, 0.3986, 0.1990
Android (android.graphics.Color)	4293135530 (0xFFE40CAA)
YUV	94.5960, 37.1742, 116.9953
Hunter-Lab	44.3387, 80.9529, -22.1157

Details

The XYZ color **39.3821, 19.6592, 39.7491** 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 **29.0025, 56.0082, 15.0831**, and the grayscale version is **10.6874, 11.2439, 12.2447**.

A 20% lighter version of the original color is **59.3351, 35.4864, 75.6737**, and **19.2064, 9.5235, 17.9655** is the 20% darker color. If you saturate the color by 10%, you get **38.9486, 19.2755, 38.1140**, and if you desaturate by 10%, it is **40.4401, 20.8262, 43.0269**.

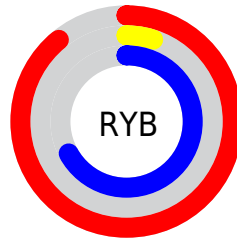
Distribution



Red (89%)

Green (5%)

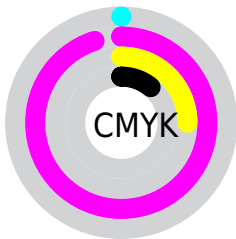
Blue (67%)



Red (89%)

Yellow (5%)

Blue (67%)

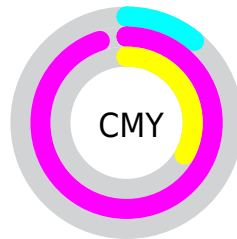


Cyan (0%)

Magenta (95%)

Yellow (25%)

Black (11%)



Cyan (11%)


Magenta (95%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.3821, 19.6592, 39.7491 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 39.3821, 19.6592, 39.7491 by changing the saturation by 10% instead.

 39.3821, 19.6592,
39.7491

 39.3821, 19.6592,
39.7491

334.6916,
250.0641, 360.5855


 27.2392, 12.1476,
27.0307


 73.5120, 42.8451,
76.0142


 17.8904, 6.8443,
17.3636


 96.2297, 59.2881,
100.3980


 10.9706, 3.3649,
10.3294


 123.2030, 79.4770,
129.5073

 6.1142, 1.3251,
5.5094

 154.7973,
103.7962, 163.7606

 2.9560, 0.1605,
2.4852

 191.3780,
132.6302, 203.5766

 1.1305, 0.0000,
0.8323

 233.3103,

 0.0504, 0.0000,

166.3632, 249.3737

0.0000

280.9597,
205.3797, 301.5705

■ 0.0000, 0.0000,
0.0000

■ 39.3821, 19.6592,
39.7491

■ 39.3821, 19.6592,
39.7491

■ 38.9486, 19.2755,
38.1140

■ 40.4401, 20.8262,
43.0269

■ 41.9591, 22.8716,
46.5931

■ 44.0131, 25.9428,
50.4743

■ 46.6624, 30.1596,
54.6922

■ 49.9587, 35.6250,
59.2657

■ 53.9480, 42.4307,
64.2118

■ 58.6721, 50.6595,
69.5461

■ 64.1695, 60.3876,
75.2829

■ 70.4756, 71.6860,
81.4356

Harmonies

Analogous

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



32.1678, 19.6592, 79.8812



39.3821, 19.6592, 39.7491



40.1266, 19.6592, 12.9508

Triad

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



39.3821, 19.6592, 39.7491



15.4364, 19.6592, 0.3040



8.8522, 19.6592, 71.7042

Complementary

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



39.3821, 19.6592, 39.7491



29.0025, 56.0082, 15.0831

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.



6.6833, 19.6592, 32.9150



39.3821, 19.6592, 39.7491



9.6208, 19.6592, 1.9363

Square

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



39.3821, 19.6592, 39.7491



24.3086, 19.6592, 0.4672



6.9126, 19.6592, 9.8052



14.0042, 19.6592, 106.1560

Rectangle

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



39.3821, 19.6592, 39.7491



36.6319, 19.6592, 4.7868



6.9126, 19.6592, 9.8052



7.8338, 19.6592, 57.8627

Sweetspot

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



39.3827, 19.6603, 39.7494



73.4123, 61.4209, 87.2092



16.6347, 7.1537, 73.9032



15.1531, 12.1721, 18.0304



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.



39.3827, 19.6603, 39.7494



50.1578, 24.8271, 48.8905



33.0084, 17.1105, 6.1825



14.8212, 14.5457, 17.2590



22.5420, 11.1510, 22.2812



1.7039, 0.8393, 1.8475

Inverse Universe

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



39.3827, 19.6603, 39.7494



50.1578, 24.8271, 48.8905



35.8924, 58.7642, 51.3652



14.8212, 14.5457, 17.2590



22.5420, 11.1510, 22.2812



1.7039, 0.8393, 1.8475

Previews

White Background



This preview shows how the XYZ color 39.3821, 19.6592, 39.7491 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 39.3821, 19.6592, 39.7491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

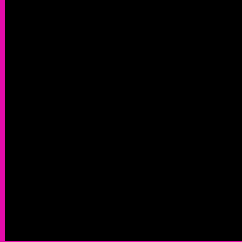
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.3821, 19.6592, 39.7491

Background



This preview shows how black text looks on a background with the XYZ color 39.3821, 19.6592, 39.7491.



This preview shows how white text looks on a background with the XYZ color 39.3821, 19.6592,

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

39.3821, 19.6592, 39.7491

Protanopia

23.9589, 20.4876, 85.9108

Deuteranopia

20.5537, 20.2042, 35.6174



Tritanopia

33.0232, 19.9613, 8.0736

Trichromacy



Original Color

39.3821, 19.6592, 39.7491



Protanomaly

22.2784, 14.4360, 65.9022



Deuteranomaly

23.5328, 15.8470, 36.4688



Tritanomaly

34.4513, 19.0227, 15.7659

Monochromacy



Original Color

39.3821, 19.6592, 39.7491



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

16.7308, 11.0254, 19.6587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.3821, 19.6592, 39.7491 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(228, 12, 170)` looks like.

```
.text, #text, p{  
    color:rgb(228, 12, 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(228, 12, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 12, 170) }
```

Border

The CSS property to change the border of an element to XYZ 39.3821, 19.6592, 39.7491 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(228, 12, 170) }
```


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

```
.border{ border-color:rgb(228, 12, 170) }
```

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

Here you see how a box with a 4 pixel rgb(228, 12, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 12, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 12, 170);  
box-shadow:4px 4px 4px 4px rgb(228, 12,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 39.3821, 19.6592, 39.7491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 12, 170) }
```

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

```
.background{ background-color: rgb(228, 12,  
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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