

Converting Colors

XYZ(40.3117, 21.9746, 19.4609)

Have a look what the booklet for
XYZ(40.3117, 21.9746, 19.4609)
contains.

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Color

**XYZ(40.3219, 21.9711,
19.5684)**

Conversions

Conversions Part 1

Format	Color
Hex	F03077
RGB	240, 48, 119
RGB Percent	94%, 19%, 47%
CMY	0.0588, 0.8117, 0.5333
CMYK	0.00, 0.80, 0.50, 0.06
HSL	338°, 86%, 56%
HSV	338°, 80%, 94%
XYZ	40.3219, 21.9711, 19.5684
YIQ	113.5020, 91.6410, 62.7850

Conversions

Conversions Part 2

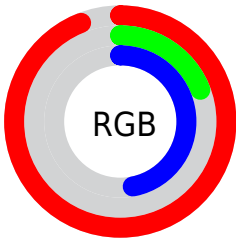
Format	Color
R_{YB}	240, 48, 119
Decimal	15741047
CIE _{Lab}	54.00, 73.99, 7.82
CIE _{LCh}	54, 74.400, 6.032
Yxy	21.9711, 0.4926, 0.2684
Android (android.graphics.Color)	4293931127 (0xFFFF03077)
YUV	113.5020, 2.7105, 110.9387
Hunter-Lab	46.8733, 71.5229, 8.0593

Details

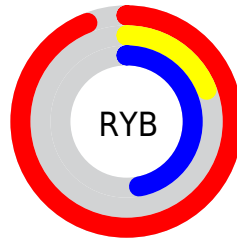
The XYZ color **40.3219, 21.9711, 19.5684** is a dark color, and the websafe version is hex **CC0066**. The color can be described as middle washed rose. A complement of this color would be **39.5426, 65.8139, 48.1632**, and the grayscale version is **15.8206, 16.6445, 18.1258**.

A 20% lighter version of the original color is **54.6080, 36.2349, 42.6440**, and **19.2688, 9.8020, 6.8376** is the 20% darker color. If you saturate the color by 10%, you get **38.7543, 20.1761, 14.9150**, and if you desaturate by 10%, it is **42.5654, 24.8868, 25.1608**.

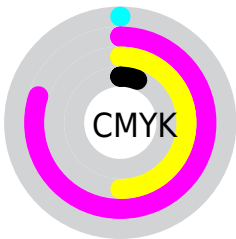
Distribution



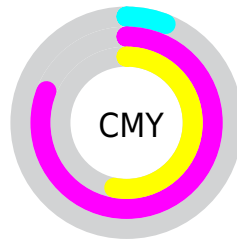
- Red (94%)
- Green (19%)
- Blue (47%)



- Red (94%)
- Yellow (19%)
- Blue (47%)



- Cyan (0%)
- Magenta (80%)
- Yellow (50%)
- Black (6%)





- Cyan (6%)
- Magenta (81%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3219, 21.9711, 19.5684 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 40.3219, 21.9711, 19.5684 by changing the saturation by 10% instead.

 40.3219, 21.9711,
19.5684


 40.3219, 21.9711,
19.5684


338.5897,
262.3953, 262.0954


 27.9749, 13.8357,
11.9008

 74.9347, 46.6982,
43.5418


 18.4471, 8.0065,
6.5544


 97.9312, 64.0587,
60.6846


 11.3731, 4.0991,
3.1108


 125.2083, 85.2630,
81.8229

 6.3875, 1.7291,
1.1515

 157.1313,
110.6955, 107.3752

 3.1250, 0.4424,
0.0000

 194.0656,
140.7406, 137.7601

 1.2202, 0.0000,
0.0000

236.3765,

 0.1222, 0.0000,

175.7826, 173.3961

0.0000

284.4294,
216.2061, 214.7017

■ 0.0000, 0.0000,
0.0000

■ 40.3219, 21.9711,
19.5684

■ 40.3219, 21.9711,
19.5684

■ 38.7543, 20.1761,
14.9150

■ 42.5654, 24.8868,
25.1608

■ 37.7278, 19.2426,
11.1215


■ 45.5645, 29.0720,
31.7497


■ 37.7272, 19.2421,
11.1191


■ 49.3886, 34.6562,
39.3879


■ 54.0987, 41.7519,
48.1238

■ 59.7494, 50.4600,
58.0022

 66.3910, 60.8727,
69.0650

 74.0699, 73.0752,
81.3522

 82.8296, 87.1469,
94.9014

 89.7450, 97.2652,
108.6517

Harmonies

Analogous

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



38.4196, 21.9711, 46.7736



40.3219, 21.9711, 19.5684



36.0334, 21.9711, 6.1939

Triad

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



40.3219, 21.9711, 19.5684



13.0498, 21.9711, 3.0164



15.2147, 21.9711, 91.4041

Complementary

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



40.3219, 21.9711, 19.5684



39.5426, 65.8139, 48.1632

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.



10.7152, 21.9711, 60.5278



40.3219, 21.9711, 19.5684



9.7081, 21.9711, 10.0747

Square

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



40.3219, 21.9711, 19.5684



19.3013, 21.9711, 1.3857



8.9791, 21.9711, 28.8795



22.5486, 21.9711, 100.4106

Rectangle

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



40.3219, 21.9711, 19.5684



30.7587, 21.9711, 2.7924



8.9791, 21.9711, 28.8795



13.3857, 21.9711, 82.5755

Sweetspot

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



40.3225, 21.9724, 19.5687



72.9374, 64.7346, 73.9071



32.5969, 16.5575, 83.9156



15.0363, 12.9552, 14.8571



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.



40.3225, 21.9724, 19.5687



43.6856, 22.4154, 14.2623



38.6851, 23.1711, 5.2317



16.0144, 15.8555, 17.6322



20.7113, 10.5570, 6.3964



1.7695, 0.8968, 0.7769

Inverse Universe

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



40.3225, 21.9724, 19.5687



43.6856, 22.4154, 14.2623



41.9160, 56.8564, 91.2029



16.0144, 15.8555, 17.6322



20.7113, 10.5570, 6.3964



1.7695, 0.8968, 0.7769

Previews

White Background



This preview shows how the XYZ color 40.3219, 21.9711, 19.5684 looks on a white background.

Color Contrast Check

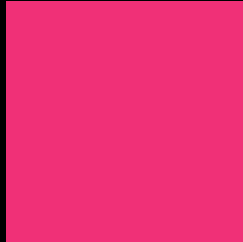
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3219, 21.9711, 19.5684 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 40.3219, 21.9711, 19.5684

Background



This preview shows how black text looks on a background with the XYZ color 40.3219, 21.9711, 19.5684.



This preview shows how white text looks on a background with the XYZ color 40.3219, 21.9711,

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

40.3219, 21.9711, 19.5684

Protanopia

22.1259, 22.1119, 37.2843

Deuteranopia

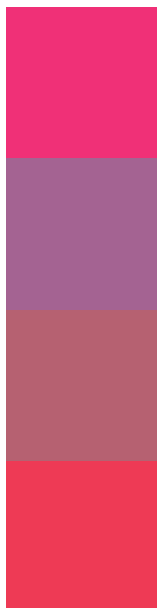
22.5425, 22.1826, 17.8454



Tritanopia

37.6567, 21.9412, 7.2514

Trichromacy



Original Color

40.3219, 21.9711, 19.5684

Protanomaly

24.9600, 18.8915, 29.5250

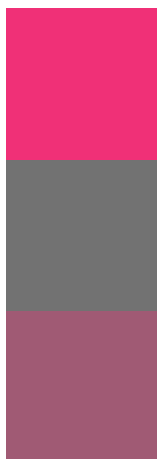
Deuteranomaly

26.5467, 19.6867, 18.0235

Tritanomaly

38.4126, 21.8591, 10.7890

Monochromacy



Original Color

40.3219, 21.9711, 19.5684

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

21.3058, 16.0469, 18.4974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3219, 21.9711, 19.5684 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(240, 48, 119)` looks like.

```
.text, #text, p{  
  color:rgb(240, 48, 119)  
}
```

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(240, 48, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 48, 119) }
```

Border

The CSS property to change the border of an element to XYZ 40.3219, 21.9711, 19.5684 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(240, 48, 119) }
```


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

```
.border{ border-color:rgb(240, 48, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 48, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 48, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 48, 119);  
box-shadow:4px 4px 4px 4px rgb(240, 48,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3219, 21.9711, 19.5684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 48, 119) }
```

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

```
.background{ background-color: rgb(240, 48,  
119) }
```

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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