

Converting Colors

XYZ(40.2855, 19.7718, 46.8882)

Have a look what the booklet for
XYZ(40.2855, 19.7718, 46.8882)
contains.

XYZ(40.3303, 19.7916, 47.0419)	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(40.3303, 19.7916,
47.0419)**

Conversions

Conversions Part 1

Format	Color
Hex	E300B8
RGB	227, 0, 184
RGB Percent	89%, 0%, 72%
CMY	0.1098, 0.9998, 0.2784
CMYK	0.00, 1.00, 0.19, 0.11
HSL	311°, 100%, 45%
HSV	311°, 100%, 89%
XYZ	40.3303, 19.7916, 47.0419
YIQ	88.8490, 76.2280, 105.3480

Conversions

Conversions Part 2

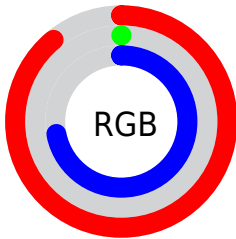
Format	Color
R_YB	227, 0, 184
Decimal	14876856
CIE Lab	51.60, 84.34, -34.64
CIE LCh	52, 91.178, 337.670
Yxy	19.7916, 0.3763, 0.1847
Android (android.graphics.Color)	4293066936 (0xFFE300B8)
YUV	88.8490, 46.9094, 121.1584
Hunter-Lab	44.4878, 83.9653, -31.5526

Details

The XYZ color **40.3303, 19.7916, 47.0419** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **27.9066, 55.1135, 11.4568**, and the grayscale version is **9.3556, 9.8428, 10.7188**.

A 20% lighter version of the original color is **61.1510, 35.9170, 86.1477**, and **19.7551, 9.7187, 21.9538** is the 20% darker color. If you saturate the color by 10%, you get **40.3297, 19.7914, 47.0376**, and if you desaturate by 10%, it is **41.0897, 20.5775, 49.5535**.

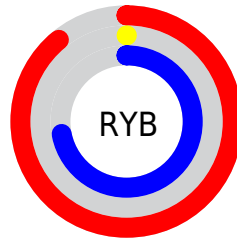
Distribution



Red (89%)

Green (0%)

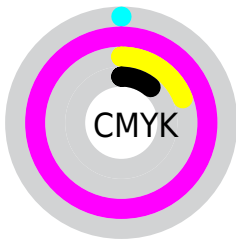
Blue (72%)



Red (89%)

Yellow (0%)

Blue (72%)

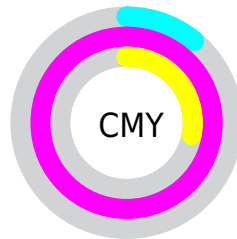


Cyan (0%)

Magenta (100%)

Yellow (19%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.3303, 19.7916, 47.0419 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 40.3303, 19.7916, 47.0419 by changing the saturation by 10% instead.


 40.3303, 19.7916,
47.0419


 40.3303, 19.7916,
47.0419

338.6244,
250.7847, 391.3804


 27.9815, 12.2436,
32.7142

 74.9474, 43.0675,
87.1268


 18.4521, 6.9098,
21.6383


 97.9464, 59.5643,
113.7211


 11.3767, 3.4058,
13.3956


 125.2262, 79.8127,
145.2413

 6.3900, 1.3471,
7.5676

 157.1521,
104.1973, 182.1060

 3.1265, 0.1772,
3.7357

 194.0895,
133.1024, 224.7337

 1.2210, 0.0000,
1.4815

 236.4038,

 0.1229, 0.0000,

166.9124, 273.5430

0.2041

284.4603,
206.0117, 328.9523

■ 0.0000, 0.0000,
0.0000

■ 40.3303, 19.7916,
47.0419

■ 40.3303, 19.7916,
47.0419

■ 40.3297, 19.7914,
47.0376

■ 41.0897, 20.5775,
49.5535

■ 42.2154, 22.0743,
52.2554

■ 43.8215, 24.5093,
55.1861

■ 45.9730, 28.0130,
58.3681

■ 48.7251, 32.6950,
61.8201

■ 52.1258, 38.6513,
65.5588

■ 56.2183, 45.9682,
69.5992

■ 61.0420, 54.7242,
73.9549

■ 66.6332, 64.9921,
78.6385

Harmonies

Analogous

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



31.7981, 19.7916, 91.4857



40.3303, 19.7916, 47.0419



42.3006, 19.7916, 15.4800

Triad

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



40.3303, 19.7916, 47.0419



16.5515, 19.7916, 0.0000



8.0097, 19.7916, 69.5857

Complementary

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



40.3303, 19.7916, 47.0419



27.9066, 55.1135, 11.4568

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.



6.1766, 19.7916, 29.0288



40.3303, 19.7916, 47.0419



9.9518, 19.7916, 1.1898

Square

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



40.3303, 19.7916, 47.0419



26.3500, 19.7916, 0.3235



6.7485, 19.7916, 7.4799



12.8680, 19.7916, 110.3486

Rectangle

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



40.3303, 19.7916, 47.0419



39.1853, 19.7916, 5.5628



6.7485, 19.7916, 7.4799



7.1056, 19.7916, 54.5998

Sweetspot

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



40.3310, 19.7926, 47.0423



73.0635, 59.6215, 90.4900



14.8063, 6.0319, 73.0574



15.1323, 11.8521, 18.8811



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.



40.3310, 19.7926, 47.0423



52.4642, 25.7497, 61.0359



32.8461, 16.7987, 7.6273



14.8719, 14.5659, 17.5256



23.5613, 11.5587, 27.6484



1.7714, 0.8663, 2.2027

Inverse Universe

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



40.3310, 19.7926, 47.0423



52.4642, 25.7497, 61.0359



33.3972, 57.3098, 40.3696



14.8719, 14.5659, 17.5256



23.5613, 11.5587, 27.6484



1.7714, 0.8663, 2.2027

Previews

White Background



This preview shows how the XYZ color 40.3303, 19.7916, 47.0419 looks on a white background.

Color Contrast Check

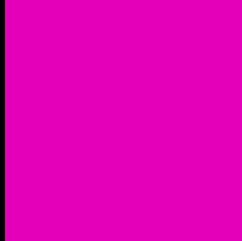
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.3303, 19.7916, 47.0419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

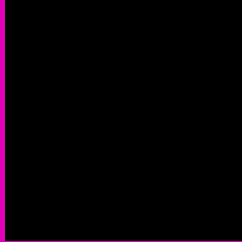
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.3303, 19.7916, 47.0419

Background



This preview shows how black text looks on a background with the XYZ color 40.3303, 19.7916, 47.0419.



This preview shows how white text looks on a background with the XYZ color 40.3303, 19.7916,

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

40.3303, 19.7916, 47.0419

Protanopia

24.9476, 20.7463, 97.2973

Deuteranopia

20.8360, 20.3957, 41.8683



Tritanopia

32.5353, 20.0620, 8.9950

Trichromacy



Original Color

40.3303, 19.7916, 47.0419



Protanomaly

21.0417, 13.0502, 75.5387



Deuteranomaly

23.5098, 15.2588, 42.7804



Tritanomaly

33.8903, 18.5639, 18.0166

Monochromacy



Original Color

40.3303, 19.7916, 47.0419



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.7487, 9.8705, 20.1439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3303, 19.7916, 47.0419 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 184) }
```

Border

The CSS property to change the border of an element to XYZ 40.3303, 19.7916, 47.0419 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, 184) }
```


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

```
.border{ border-color:rgb(227, 0, 184) }
```

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, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 184);  
box-shadow:4px 4px 4px 4px rgb(227, 0,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3303, 19.7916, 47.0419 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, 184) }
```

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

```
.background{ background-color: rgb(227, 0,  
184) }
```

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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