

Converting Colors

XYZ(38.7187, 19.0529, 42.8038)

Have a look what the booklet for
XYZ(38.7187, 19.0529, 42.8038)
contains.

XYZ(38.5769, 18.9819, 42.7049)	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(38.5769, 18.9819,
42.7049)**

Conversions

Conversions Part 1

Format	Color
Hex	E000B0
RGB	224, 0, 176
RGB Percent	88%, 0%, 69%
CMY	0.1216, 0.9998, 0.3098
CMYK	0.00, 1.00, 0.21, 0.12
HSL	313°, 100%, 44%
HSV	313°, 100%, 88%
XYZ	38.5769, 18.9819, 42.7049
YIQ	87.0400, 77.0080, 102.2240

Conversions

Conversions Part 2

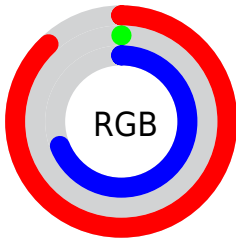
Format	Color
RYB	224, 0, 176
Decimal	14680240
CIELab	50.67, 82.84, -31.46
CIELCh	51, 88.615, 339.208
Yxy	18.9819, 0.3848, 0.1893
Android (android.graphics.Color)	4292870320 (0xFFE000B0)
YUV	87.0400, 43.8573, 120.1139
Hunter-Lab	43.5682, 81.8060, -27.6174

Details

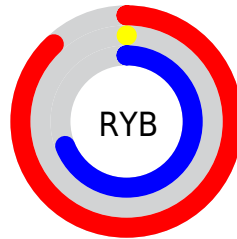
The XYZ color **38.5769, 18.9819, 42.7049** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **27.1907, 53.5255, 11.6995**, and the grayscale version is **8.9702, 9.4373, 10.2773**.

A 20% lighter version of the original color is **59.8977, 35.2706, 79.9949**, and **18.8850, 9.3226, 19.5430** is the 20% darker color. If you saturate the color by 10%, you get **38.5761, 18.9816, 42.7001**, and if you desaturate by 10%, it is **39.3561, 19.7663, 45.3502**.

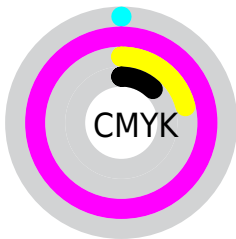
Distribution



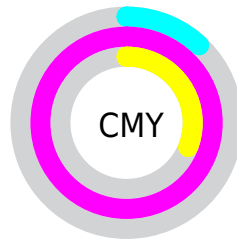
- Red (88%)
- Green (0%)
- Blue (69%)



- Red (88%)
- Yellow (0%)
- Blue (69%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5769, 18.9819, 42.7049 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 38.5769, 18.9819, 42.7049 by changing the saturation by 10% instead.


 38.5769, 18.9819,
42.7049


 38.5769, 18.9819,
42.7049


331.3265,
246.3488, 373.2823


 26.6100, 11.6572,
29.3240


 72.2897, 41.7035,
80.5469


 17.4156, 6.5107,
19.0783


 94.7664, 57.8692,
105.8451


 10.6284, 3.1580,
11.5495


 121.4769, 77.7507,
135.9527

 5.8830, 1.2148,
6.3189

 152.7868,
101.7324, 171.2884

 2.8140, 0.0737,
2.9681

 189.0614,
130.1986, 212.2707

 1.0562, 0.0000,
1.0783

 230.6659,

 0.0000, 0.0000,

163.5339, 259.3180

0.0000

277.9659,
202.1225, 312.8491

■ 38.5769, 18.9819,
42.7049

■ 38.5769, 18.9819,
42.7049

■ 38.5761, 18.9816,
42.7001

■ 39.3561, 19.7663,
45.3502

■ 40.4937, 21.2405,
48.1985

■ 42.1007, 23.6261,
51.2879

■ 44.2402, 27.0492,
54.6401

■ 46.9656, 31.6159,
58.2738

■ 50.3233, 37.4191,
62.2052

■ 54.3552, 44.5423,
66.4490

■ 59.0995, 53.0616,
71.0188

■ 64.5915, 63.0473,
75.9271

Harmonies

Analogous

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



30.7832, 18.9819, 84.2418



38.5769, 18.9819, 42.7049



40.0423, 18.9819, 13.9239

Triad

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



38.5769, 18.9819, 42.7049



15.5006, 18.9819, 0.0000



7.9526, 18.9819, 68.0041

Complementary

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



38.5769, 18.9819, 42.7049



27.1907, 53.5255, 11.6995

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.



6.0721, 18.9819, 29.2994



38.5769, 18.9819, 42.7049



9.4138, 18.9819, 1.3489

Square

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



38.5769, 18.9819, 42.7049



24.6392, 18.9819, 0.3154



6.5039, 18.9819, 7.9193



12.7416, 18.9819, 105.3052

Rectangle

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



38.5769, 18.9819, 42.7049



36.8843, 18.9819, 5.0167



6.5039, 18.9819, 7.9193



7.0424, 18.9819, 53.8705

Sweetspot

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



38.5775, 18.9829, 42.7052



72.7816, 59.5087, 89.0052



14.5300, 5.9370, 70.9014



15.0643, 11.8249, 18.5230



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.



38.5775, 18.9829, 42.7052



51.7059, 25.4463, 57.0425



31.7611, 16.2563, 6.8104



14.1626, 13.8827, 16.6266



22.4980, 11.0662, 25.0858



1.5912, 0.7797, 1.9059

Inverse Universe

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



38.5775, 18.9829, 42.7052



51.7059, 25.4463, 57.0425



32.7262, 55.7397, 40.8489



14.1626, 13.8827, 16.6266



22.4980, 11.0662, 25.0858



1.5912, 0.7797, 1.9059

Previews

White Background



This preview shows how the XYZ color 38.5769, 18.9819, 42.7049 looks on a white background.

Color Contrast Check

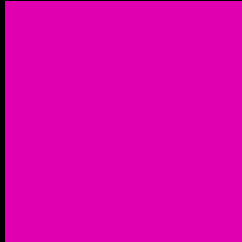
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5769, 18.9819, 42.7049 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

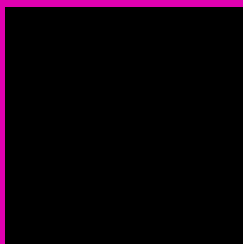
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.5769, 18.9819, 42.7049

Background



This preview shows how black text looks on a background with the XYZ color 38.5769, 18.9819, 42.7049.



This preview shows how white text looks on a background with the XYZ color 38.5769, 18.9819,

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

38.5769, 18.9819, 42.7049

Protanopia

24.0023, 19.9974, 93.0373

Deuteranopia

20.0593, 19.7064, 38.3438



Tritanopia

31.6496, 19.3362, 8.3675

Trichromacy



Original Color

38.5769, 18.9819, 42.7049



Protanomaly

20.4515, 12.7396, 71.1931



Deuteranomaly

22.5778, 14.7516, 39.1935



Tritanomaly

32.9286, 17.9872, 16.4882

Monochromacy



Original Color

38.5769, 18.9819, 42.7049



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.0125, 9.3827, 18.4725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5769, 18.9819, 42.7049 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(224, 0, 176)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 176)  
}
```

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(224, 0, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 176) }
```

Border

The CSS property to change the border of an element to XYZ 38.5769, 18.9819, 42.7049 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(224, 0, 176) }
```


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

```
.border{ border-color:rgb(224, 0, 176) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 176);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5769, 18.9819, 42.7049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 176) }
```

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

```
.background{ background-color: rgb(224, 0,  
176) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor