

Converting Colors

XYZ(38.6998, 22.0741, 47.1663)

Have a look what the booklet for
XYZ(38.6998, 22.0741, 47.1663)
contains.

XYZ(38.6997, 22.1222, 47.0301)	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(38.6997, 22.1222,
47.0301)**

Conversions

Conversions Part 1

Format	Color
Hex	D745B7
RGB	215, 69, 183
RGB Percent	84%, 27%, 72%
CMY	0.1569, 0.7294, 0.2824
CMYK	0.00, 0.68, 0.15, 0.16
HSL	313°, 65%, 56%
HSV	313°, 68%, 84%
XYZ	38.6997, 22.1222, 47.0301
YIQ	125.6500, 50.4220, 66.4060

Conversions

Conversions Part 2

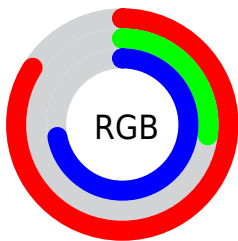
Format	Color
R _Y B	215, 69, 183
Decimal	14108087
CIE Lab	54.16, 68.19, -30.22
CIE LCh	54, 74.589, 336.096
Yxy	22.1222, 0.3588, 0.2051
Android (android.graphics.Color)	4292298167 (0xFFD745B7)
YUV	125.6500, 28.2735, 78.3599
Hunter-Lab	47.0342, 64.5596, -26.3608

Details

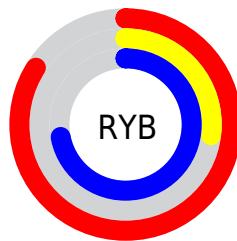
The XYZ color **38.6997, 22.1222, 47.0301** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **29.1048, 50.8065, 20.5866**, and the grayscale version is **19.6090, 20.6301, 22.4662**.

A 20% lighter version of the original color is **64.5392, 42.9303, 86.5462**, and **17.7396, 8.6796, 21.8594** is the 20% darker color. If you saturate the color by 10%, you get **37.1263, 19.7470, 44.1260**, and if you desaturate by 10%, it is **40.7699, 25.4639, 50.1812**.

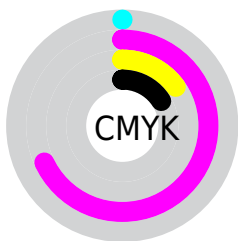
Distribution



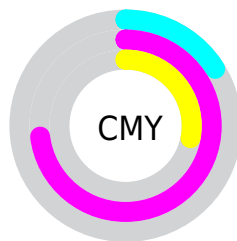
- Red (84%)
- Green (27%)
- Blue (72%)



- Red (84%)
- Yellow (27%)
- Blue (72%)



- Cyan (0%)
- Magenta (68%)
- Yellow (15%)
- Black (16%)





- Cyan (16%)
- Magenta (73%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6997, 22.1222, 47.0301 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 38.6997, 22.1222, 47.0301 by changing the saturation by 10% instead.

 38.6997, 22.1222,
47.0301


 38.6997, 22.1222,
47.0301

331.8412,
263.1838, 391.3319

 26.7059, 13.9467,
32.7049


 72.4763, 46.9479,
87.1090


 17.4879, 8.0836,
21.6312


 94.9899, 64.3669,
113.6998


 10.6804, 4.1485,
13.3905


 121.7407, 85.6358,
145.2163

 5.9181, 1.7570,
7.5641

 153.0941,
111.1391, 182.0769

 2.8355, 0.4601,
3.7336

 189.4155,
141.2612, 224.7002

 1.0674, 0.0000,
1.4803

231.0703,

 0.0000, 0.0000,

176.3864, 273.5048

0.2032

278.4237,
216.8991, 328.9092

■ 0.0000, 0.0000,
0.0000

■ 38.6997, 22.1222,
47.0301

■ 38.6997, 22.1222,
47.0301

■ 37.1263, 19.7470,
44.1260

■ 40.7699, 25.4639,
50.1812

■ 35.9928, 18.2258,
41.4486

■ 43.3813, 29.8619,
53.5943

■ 35.2220, 17.4045,
38.9716

■ 46.5757, 35.3992,
57.2844

■ 35.0808, 17.2697,
38.4691

■ 50.3902, 42.1497,
61.2645

■ 54.8589, 50.1811,
65.5467

60.0130, 59.5561,
70.1421

65.8821, 70.3331,
75.0614

72.4937, 82.5672,
80.3144

77.4317, 91.4261,
85.0965

Harmonies

Analogous

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



31.5896, 22.1222, 81.0128



38.6997, 22.1222, 47.0301



40.6022, 22.1222, 19.6582

Triad

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



38.6997, 22.1222, 47.0301



19.4170, 22.1222, 1.3944



10.7936, 22.1222, 61.0317

Complementary

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



38.6997, 22.1222, 47.0301



29.1048, 50.8065, 20.5866

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.



9.0397, 22.1222, 29.1363



38.6997, 22.1222, 47.0301



13.1275, 22.1222, 3.0424

Square

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



38.6997, 22.1222, 47.0301



27.9821, 22.1222, 1.9998



9.7685, 22.1222, 10.1674



15.3311, 22.1222, 92.1069

Rectangle

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



38.6997, 22.1222, 47.0301



38.3230, 22.1222, 9.3223



9.7685, 22.1222, 10.1674



9.9203, 22.1222, 49.4859

Sweetspot

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



38.7004, 22.1233, 47.0305



79.1349, 70.9665, 94.9728



19.7210, 11.9094, 65.5498



16.5310, 14.4568, 19.9418



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.



38.7004, 22.1233, 47.0305



53.9142, 28.0504, 63.3668



32.9879, 19.8383, 16.9489



12.8311, 12.5839, 15.0507



21.0234, 10.3457, 23.2248



1.2975, 0.6358, 1.5562

Inverse Universe

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



38.7004, 22.1233, 47.0305



53.9142, 28.0504, 63.3668



34.3600, 52.9086, 48.2600



12.8311, 12.5839, 15.0507



21.0234, 10.3457, 23.2248



1.2975, 0.6358, 1.5562

Previews

White Background



This preview shows how the XYZ color 38.6997, 22.1222, 47.0301 looks on a white background.

Color Contrast Check

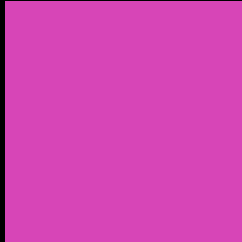
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6997, 22.1222, 47.0301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

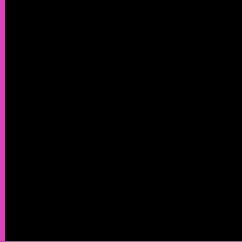
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6997, 22.1222, 47.0301

Background



This preview shows how black text looks on a background with the XYZ color 38.6997, 22.1222, 47.0301.

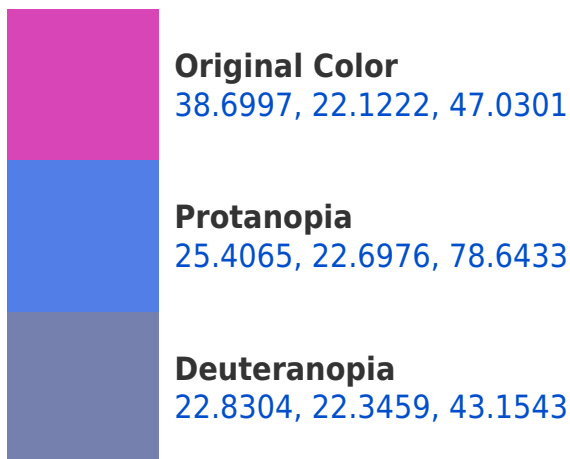


This preview shows how white text looks on a background with the XYZ color 38.6997, 22.1222,

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





Tritanopia

31.9467, 22.0142, 14.6220

Trichromacy



Original Color

38.6997, 22.1222, 47.0301



Protanomaly

26.4976, 19.9089, 66.0646



Deuteranomaly

26.3304, 20.4620, 44.1568



Tritanomaly

33.7779, 21.6540, 23.5184

Monochromacy



Original Color

38.6997, 22.1222, 47.0301



Achromatopsia

19.8309, 20.8637, 22.7206



Achromatomaly

24.4186, 19.4788, 30.0766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6997, 22.1222, 47.0301 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(215, 69, 183)` looks like.

```
.text, #text, p{  
    color:rgb(215, 69, 183)  
}
```

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(215, 69, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 69, 183) }
```

Border

The CSS property to change the border of an element to XYZ 38.6997, 22.1222, 47.0301 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(215, 69, 183) }
```


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

```
.border{ border-color:rgb(215, 69, 183) }
```

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

Here you see how a box with a 4 pixel rgb(215, 69, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 69, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 69, 183);  
box-shadow:4px 4px 4px 4px rgb(215, 69,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6997, 22.1222, 47.0301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 69, 183) }
```

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

```
.background{ background-color: rgb(215, 69,  
183) }
```

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