

Converting Colors

XYZ(38.9732, 14.6178, 12.5825)

Have a look what the booklet for
XYZ(38.9732, 14.6178, 12.5825)
contains.

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Color

**XYZ(42.3970, 21.5963,
13.7383)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0063
RGB	252, 0, 99
RGB Percent	99%, 0%, 39%
CMY	0.0118, 0.9997, 0.6118
CMYK	0.00, 1.00, 0.61, 0.01
HSL	336°, 100%, 49%
HSV	336°, 100%, 99%
XYZ	42.3970, 21.5963, 13.7383
YIQ	86.6340, 118.4130, 84.2130

Conversions

Conversions Part 2

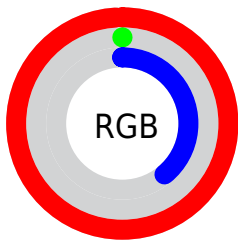
Format	Color
RYB	252, 0, 99
Decimal	16515171
CIELab	53.60, 82.05, 19.68
CIELCh	54, 84.379, 13.488
Yxy	21.5963, 0.5454, 0.2778
Android (android.graphics.Color)	4294705251 (0xFFFC0063)
YUV	86.6340, 6.0964, 145.0260
Hunter-Lab	46.4718, 81.5228, 15.0026

Details

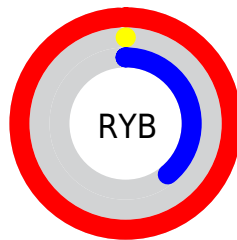
The XYZ color **42.3970, 21.5963, 13.7383** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **40.5662, 71.9229, 41.9100**, and the grayscale version is **8.9580, 9.4245, 10.2633**.

A 20% lighter version of the original color is **51.0325, 32.1653, 31.9526**, and **21.1361, 10.8218, 4.3430** is the 20% darker color. If you saturate the color by 10%, you get **42.3949, 21.5954, 13.7282**, and if you desaturate by 10%, it is **43.5526, 22.6239, 18.0819**.

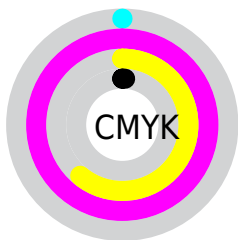
Distribution



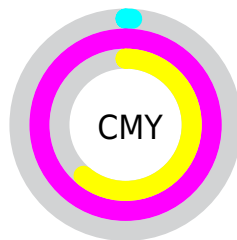
- Red (99%)
- Green (0%)
- Blue (39%)



- Red (99%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (61%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3970, 21.5963, 13.7383 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 42.3970, 21.5963, 13.7383 by changing the saturation by 10% instead.

 42.3970, 21.5963,
13.7383


 42.3970, 21.5963,
13.7383


347.0897,
260.4307, 226.9682


 29.6047, 13.5606,
7.8022

 78.0615, 46.0779,
33.3344


 19.6854, 7.8157,
3.8827


 101.6645, 63.2925,
47.8314


 12.2735, 3.9772,
1.5612

 129.6017, 84.3355,
66.0192

 7.0037, 1.6608,
0.2629

 162.2386,
109.5913, 88.3163

 3.5108, 0.3981,
0.0000

 199.9405,
139.4444, 115.1412

 1.4293, 0.0000,
0.0000

 243.0728,

 0.2769, 0.0000,

174.2791, 146.9124

0.0000

292.0007,
214.4797, 184.0486

■ 0.0000, 0.0000,
0.0000

■ 42.3970, 21.5963,
13.7383

■ 42.3970, 21.5963,
13.7383

■ 42.3949, 21.5954,
13.7282

■ 43.5526, 22.6239,
18.0819

■ 45.3083, 24.6178,
23.3452

■ 47.8102, 27.8600,
29.6102

■ 51.1495, 32.5224,
36.9385

■ 55.4031, 38.7497,
45.3851

■ 60.6388, 46.6682,
55.0006

■ 66.9177, 56.3916,
65.8318

■ 74.2957, 68.0234,
77.9228

■ 82.8246, 81.6593,
91.3151

Harmonies

Analogous

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



42.0145, 21.5963, 40.6190



42.3970, 21.5963, 13.7383



35.8323, 21.5963, 3.2317

Triad

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



42.3970, 21.5963, 13.7383



10.7648, 21.5963, 2.7634



15.9868, 21.5963, 110.3465

Complementary

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



42.3970, 21.5963, 13.7383



40.5662, 71.9229, 41.9100

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.



10.3500, 21.5963, 76.8405



42.3970, 21.5963, 13.7383



7.9958, 21.5963, 12.0459

Square

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



42.3970, 21.5963, 13.7383



16.7459, 21.5963, 0.7240



7.8703, 21.5963, 37.0866



24.8375, 21.5963, 112.2564

Rectangle

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



42.3970, 21.5963, 13.7383



29.2699, 21.5963, 1.1984



7.8703, 21.5963, 37.0866



13.7250, 21.5963, 101.6955

Sweetspot

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



42.3975, 21.5976, 13.7386



68.7120, 57.8809, 67.5750



30.3759, 13.6307, 93.1249



14.0964, 11.4378, 13.4264



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.



42.3975, 21.5976, 13.7386



43.5469, 22.1828, 14.0782



40.4982, 21.4019, 1.9984



17.5269, 17.3381, 19.3642



22.1514, 11.2763, 7.5057



2.1020, 1.0645, 0.9607

Inverse Universe

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



42.3975, 21.5976, 13.7386



43.5469, 22.1828, 14.0782



44.9875, 61.8608, 101.6642



17.5269, 17.3381, 19.3642



22.1514, 11.2763, 7.5057



2.1020, 1.0645, 0.9607

Previews

White Background



This preview shows how the XYZ color 42.3970, 21.5963, 13.7383 looks on a white background.

Color Contrast Check

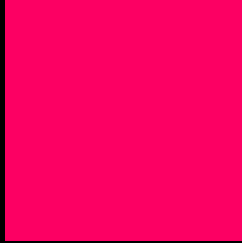
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3970, 21.5963, 13.7383 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 42.3970, 21.5963, 13.7383

Background



This preview shows how black text looks on a background with the XYZ color 42.3970, 21.5963, 13.7383.

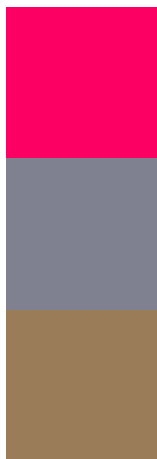


This preview shows how white text looks on a background with the XYZ color 42.3970, 21.5963,

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

42.3970, 21.5963, 13.7383

Protanopia

21.7135, 22.2569, 29.9396

Deuteranopia

22.4867, 22.0884, 12.3108



Tritanopia

40.5171, 21.9751, 3.8564

Trichromacy



Original Color

42.3970, 21.5963, 13.7383



Protanomaly

23.9268, 16.3638, 22.3195



Deuteranomaly

25.9630, 17.3118, 12.0983



Tritanomaly

40.9469, 21.5307, 6.2727

Monochromacy



Original Color

42.3970, 21.5963, 13.7383



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.2871, 9.6908, 10.9623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3970, 21.5963, 13.7383 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(252, 0, 99)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 99)  
}
```

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(252, 0, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 99) }
```

Border

The CSS property to change the border of an element to XYZ 42.3970, 21.5963, 13.7383 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(252, 0, 99) }
```


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

```
.border{ border-color:rgb(252, 0, 99) }
```

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

Here you see how a box with a 4 pixel rgb(252, 0, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 99);  
box-shadow:4px 4px 4px 4px rgb(252, 0, 99)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.3970, 21.5963, 13.7383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 99) }
```

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

```
.background{ background-color: rgb(252, 0,  
99) }
```

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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