

Converting Colors

XYZ(42.5005, 21.4455, 22.9655)

Have a look what the booklet for
XYZ(42.5005, 21.4455, 22.9655)
contains.

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Color

**XYZ(42.3870, 21.3859,
23.0129)**

Conversions

Conversions Part 1

Format	Color
Hex	F70082
RGB	247, 0, 130
RGB Percent	97%, 0%, 51%
CMY	0.0314, 0.9997, 0.4902
CMYK	0.00, 1.00, 0.47, 0.03
HSL	328°, 100%, 48%
HSV	328°, 100%, 97%
XYZ	42.3870, 21.3859, 23.0129
YIQ	88.6730, 105.4820, 92.7940

Conversions

Conversions Part 2

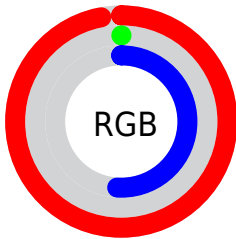
Format	Color
R_{YB}	247, 0, 130
Decimal	16187522
CIE _{Lab}	53.37, 83.00, 0.47
CIE _{LCh}	53, 83.000, 0.324
Yxy	21.3859, 0.4884, 0.2464
Android (android.graphics.Color)	4294377602 (0xFFFF70082)
YUV	88.6730, 20.3742, 138.8528
Hunter-Lab	46.2449, 82.6804, 2.8669

Details

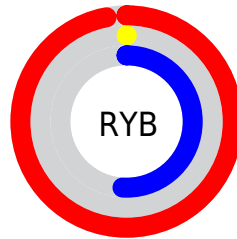
The XYZ color **42.3870, 21.3859, 23.0129** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **36.4760, 67.8075, 28.0148**, and the grayscale version is **9.3715, 9.8595, 10.7370**.

A 20% lighter version of the original color is **54.1549, 33.4143, 48.3951**, and **21.2524, 10.7844, 8.7461** is the 20% darker color. If you saturate the color by 10%, you get **42.3848, 21.3850, 23.0023**, and if you desaturate by 10%, it is **43.5604, 22.4034, 27.5029**.

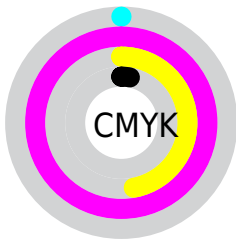
Distribution



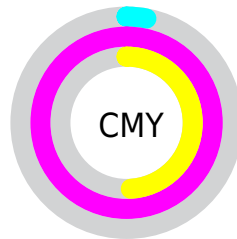
- Red (97%)
- Green (0%)
- Blue (51%)



- Red (97%)
- Yellow (0%)
- Blue (51%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3870, 21.3859, 23.0129 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 42.3870, 21.3859, 23.0129 by changing the saturation by 10% instead.


 42.3870, 21.3859,
23.0129


 42.3870, 21.3859,
23.0129


347.0491,
259.3223, 280.9153


 29.5969, 13.4064,
14.3976

 78.0465, 45.7289,
49.3380


 19.6794, 7.7090,
8.2558


 101.6466, 62.8612,
67.8849


 12.2691, 3.9093,
4.1690


 129.5807, 83.8131,
90.5794

 7.0007, 1.6230,
1.7185

 162.2142,
108.9692, 117.8401

 3.5089, 0.3730,
0.3734

 199.9124,
138.7137, 150.0855

 1.4282, 0.0000,
0.0000

 243.0407,

 0.2762, 0.0000,

173.4312, 187.7341

0.0000

291.9645,
213.5059, 231.2046

■ 0.0000, 0.0000,
0.0000

■ 42.3870, 21.3859,
23.0129

■ 42.3870, 21.3859,
23.0129

■ 42.3848, 21.3850,
23.0023

■ 43.5604, 22.4034,
27.5029

■ 45.2588, 24.3231,
32.6226

■ 47.6188, 27.4141,
38.4311

■ 50.7236, 31.8388,
44.9689

■ 54.6434, 37.7334,
52.2718

■ 59.4397, 45.2170,
60.3722

■ 65.1679, 54.3967,
69.3000

■ 71.8785, 65.3700,
79.0832

■ 79.6182, 78.2270,
89.7481

Harmonies

Analogous

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



38.8658, 21.3859, 56.4783



42.3870, 21.3859, 23.0129



38.7187, 21.3859, 6.3838

Triad

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



42.3870, 21.3859, 23.0129



12.9222, 21.3859, 1.5012



13.0450, 21.3859, 95.9051

Complementary

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



42.3870, 21.3859, 23.0129



36.4760, 67.8075, 28.0148

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.



8.9367, 21.3859, 57.3387



42.3870, 21.3859, 23.0129



8.8815, 21.3859, 6.5861

Square

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



42.3870, 21.3859, 23.0129



20.2312, 21.3859, 0.6304



7.6636, 21.3859, 23.5605



20.4224, 21.3859, 113.1863

Rectangle

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



42.3870, 21.3859, 23.0129



33.1623, 21.3859, 2.3546



7.6636, 21.3859, 23.5605



11.3216, 21.3859, 84.0748

Sweetspot

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



42.3876, 21.3872, 23.0132



70.0139, 58.4017, 74.4306



23.8989, 10.3820, 88.7396



14.4029, 11.5604, 15.0405



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.



42.3876, 21.3872, 23.0132



45.5556, 22.9862, 24.6558



38.4037, 19.7936, 2.0347



16.8635, 16.6282, 19.0275



22.4885, 11.3388, 12.5465



2.0285, 1.0173, 1.3762

Inverse Universe

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



42.3876, 21.3872, 23.0132



45.5556, 22.9862, 24.6558



48.8072, 72.7400, 92.9498



16.8635, 16.6282, 19.0275



22.4885, 11.3388, 12.5465



2.0285, 1.0173, 1.3762

Previews

White Background



This preview shows how the XYZ color 42.3870, 21.3859, 23.0129 looks on a white background.

Color Contrast Check

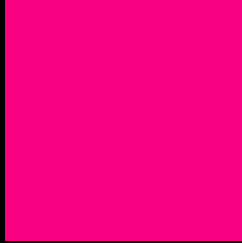
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3870, 21.3859, 23.0129 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 42.3870, 21.3859, 23.0129

Background



This preview shows how black text looks on a background with the XYZ color 42.3870, 21.3859, 23.0129.



This preview shows how white text looks on a background with the XYZ color 42.3870, 21.3859,

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

42.3870, 21.3859, 23.0129

Protanopia

22.8657, 22.0178, 50.0584

Deuteranopia

22.2749, 21.7911, 20.8014



Tritanopia

38.8100, 21.7586, 5.4031

Trichromacy



Original Color

42.3870, 21.3859, 23.0129



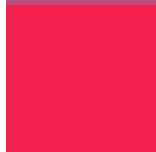
Protanomaly

24.1234, 16.0090, 37.8950



Deuteranomaly

25.7255, 16.9923, 20.9927



Tritanomaly

39.3001, 20.9000, 9.5522

Monochromacy



Original Color

42.3870, 21.3859, 23.0129



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.8159, 10.0367, 14.2004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3870, 21.3859, 23.0129 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(247, 0, 130)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 130)  
}
```

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(247, 0, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 130) }
```

Border

The CSS property to change the border of an element to XYZ 42.3870, 21.3859, 23.0129 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(247, 0, 130) }
```


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

```
.border{ border-color:rgb(247, 0, 130) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 130);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3870, 21.3859, 23.0129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 130) }
```

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

```
.background{ background-color: rgb(247, 0,  
130) }
```

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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