

Converting Colors

XYZ(42.7272, 21.7805, 15.3167)

Have a look what the booklet for
XYZ(42.7272, 21.7805, 15.3167)
contains.

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Color

**XYZ(42.7272, 21.7805,
15.3167)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FC0369 |
| RGB | 252, 3, 105 |
| RGB Percent | 99%, 1%, 41% |
| CMY | 0.0118, 0.9880, 0.5882 |
| CMYK | 0.00, 0.99, 0.58, 0.01 |
| HSL | 335°, 98%, 50% |
| HSV | 335°, 99%, 99% |
| XYZ | 42.7272, 21.7805, 15.3167 |
| YIQ | 89.0790, 115.6620, 84.5100 |

Conversions

Conversions Part 2

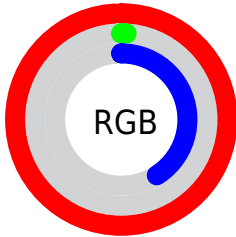
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 252, 3, 105 |
| Decimal | 16515945 |
| CIE _{Lab} | 53.79, 82.19, 16.32 |
| CIE _{LCh} | 54, 83.794, 11.229 |
| Yxy | 21.7805, 0.5353, 0.2729 |
| Android (android.graphics.Color) | 4294706025 (0xFFFC0369) |
| YUV | 89.0790, 7.8491, 142.8817 |
| Hunter-Lab | 46.6696, 81.7496, 13.2101 |

Details

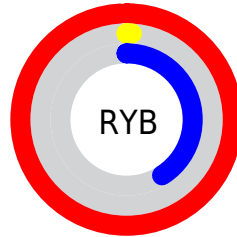
The XYZ color **42.7272, 21.7805, 15.3167** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **40.3590, 71.8443, 40.6226**, and the grayscale version is **9.4865, 9.9805, 10.8688**.

A 20% lighter version of the original color is **51.7026, 32.5840, 35.0168**, and **21.5285, 11.0071, 5.1276** is the 20% darker color. If you saturate the color by 10%, you get **42.6023, 21.6784, 14.8206**, and if you desaturate by 10%, it is **43.9492, 22.8918, 19.8338**.

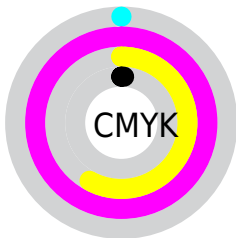
Distribution



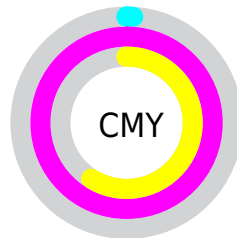
- Red (99%)
- Green (1%)
- Blue (41%)



- Red (99%)
- Yellow (1%)
- Blue (41%)



- Cyan (0%)
- Magenta (99%)
- Yellow (58%)
- Black (1%)





- Cyan (1%)
- Magenta (99%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7272, 21.7805, 15.3167 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 42.7272, 21.7805, 15.3167 by changing the saturation by 10% instead.


 42.7272, 21.7805,
15.3167


 42.7272, 21.7805,
15.3167


348.4292,
261.3978, 236.9816


 29.8647, 13.6957,
8.8929


 78.5573, 46.3829,
36.1579


 19.8835, 7.9093,
4.5755

 102.2557, 63.6694,
51.4124

 12.4182, 4.0370,
1.9461


 130.2967, 84.7918,
70.4476

 7.1033, 1.6943,
0.5218

 163.0457,
110.1346, 93.6819

 3.5737, 0.4199,
0.0000

 200.8681,
140.0823, 121.5339

 1.4639, 0.0000,
0.0000

244.1293,

 0.3011, 0.0000,

175.0191, 154.4222

0.0000

293.1945,
215.3295, 192.7652

■ 0.0000, 0.0000,
0.0000

■ 42.7272, 21.7805,
15.3167

■ 42.7272, 21.7805,
15.3167

■ 42.6023, 21.6784,
14.8206

■ 43.9492, 22.8918,
19.8338

■ 45.7956, 25.0270,
25.2511

■ 48.3930, 28.4300,
31.6408

■ 51.8299, 33.2686,
39.0606

■ 56.1816, 39.6847,
47.5621

61.5143, 47.8029,
57.1926

67.8880, 57.7350,
67.9964

75.3576, 69.5834,
80.0149

83.9741, 83.4429,
93.2872

Harmonies

Analogous

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



41.7797, 21.7805, 43.4961



42.7272, 21.7805, 15.3167



36.6275, 21.7805, 3.7562

Triad

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



42.7272, 21.7805, 15.3167



11.2655, 21.7805, 2.5624



15.6193, 21.7805, 108.3464

Complementary

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



42.7272, 21.7805, 15.3167



40.3590, 71.8443, 40.6226

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.



10.2268, 21.7805, 73.6456



42.7272, 21.7805, 15.3167



8.2627, 21.7805, 11.0787

Square

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



42.7272, 21.7805, 15.3167



17.5124, 21.7805, 0.7381



7.9476, 21.7805, 34.7304



24.2564, 21.7805, 113.0566

Rectangle

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



42.7272, 21.7805, 15.3167



30.1938, 21.7805, 1.4026



7.9476, 21.7805, 34.7304



13.4420, 21.7805, 99.0422

Sweetspot

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



42.7277, 21.7818, 15.3170



68.8712, 57.9446, 68.4132



29.8669, 13.4167, 93.1104



14.1337, 11.4527, 13.6228



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.



42.7277, 21.7818, 15.3170



43.7600, 22.2680, 15.1999



40.4842, 21.3476, 2.0748



17.5393, 17.3431, 19.4294



22.2610, 11.3201, 8.0828



2.1129, 1.0689, 1.0181

Inverse Universe

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



42.7277, 21.7818, 15.3170



43.7600, 22.2680, 15.1999



46.2563, 64.3427, 102.0763



17.5393, 17.3431, 19.4294



22.2610, 11.3201, 8.0828



2.1129, 1.0689, 1.0181

Previews

White Background



This preview shows how the XYZ color 42.7272, 21.7805, 15.3167 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 42.7272, 21.7805, 15.3167 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 42.7272, 21.7805, 15.3167

Background



This preview shows how black text looks on a background with the XYZ color 42.7272, 21.7805, 15.3167.



This preview shows how white text looks on a background with the XYZ color 42.7272, 21.7805,

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

42.7272, 21.7805, 15.3167

Protanopia

22.0575, 22.3604, 33.2904

Deuteranopia

22.5545, 22.0935, 13.6654



Tritanopia

40.6353, 22.1331, 4.1379

Trichromacy



Original Color

42.7272, 21.7805, 15.3167



Protanomaly

24.3318, 16.6220, 25.2185



Deuteranomaly

26.3085, 17.5663, 13.5593



Tritanomaly

41.1243, 21.7099, 6.8734

Monochromacy



Original Color

42.7272, 21.7805, 15.3167



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.7914, 10.1482, 11.9530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7272, 21.7805, 15.3167 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, 3, 105)` looks like.

```
.text, #text, p{  
    color:rgb(252, 3, 105)  
}
```

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, 3, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 3, 105) }
```

Border

The CSS property to change the border of an element to XYZ 42.7272, 21.7805, 15.3167 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, 3, 105) }
```


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

```
.border{ border-color:rgb(252, 3, 105) }
```

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

Here you see how a box with a 4 pixel rgb(252, 3, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 3, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 3, 105);  
box-shadow:4px 4px 4px 4px rgb(252, 3,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7272, 21.7805, 15.3167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 3, 105) }
```

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

```
.background{ background-color: rgb(252, 3,  
105) }
```

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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