

Converting Colors

XYZ(42.7425, 21.7533, 14.7058)

Have a look what the booklet for
XYZ(42.7425, 21.7533, 14.7058)
contains.

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Color

**XYZ(42.5931, 21.6747,
14.7707)**

Conversions

Conversions Part 1

Format	Color
Hex	FC0067
RGB	252, 0, 103
RGB Percent	99%, 0%, 40%
CMY	0.0118, 0.9998, 0.5961
CMYK	0.00, 1.00, 0.59, 0.01
HSL	335°, 100%, 49%
HSV	335°, 100%, 99%
XYZ	42.5931, 21.6747, 14.7707
YIQ	87.0900, 117.1290, 85.4570

Conversions

Conversions Part 2

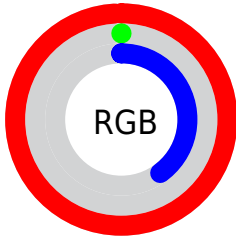
Format	Color
R_{YB}	252, 0, 103
Decimal	16515175
CIE _{Lab}	53.68, 82.28, 17.37
CIE _{LCh}	54, 84.091, 11.923
Yxy	21.6747, 0.5389, 0.2742
Android (android.graphics.Color)	4294705255 (0xFFFC0067)
YUV	87.0900, 7.8436, 144.6261
Hunter-Lab	46.5561, 81.8324, 13.7785

Details

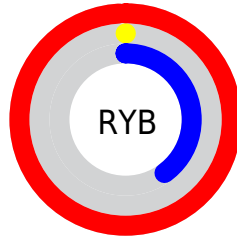
The XYZ color **42.5931, 21.6747, 14.7707** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **40.2409, 71.7929, 40.1966**, and the grayscale version is **9.0520, 9.5234, 10.3710**.

A 20% lighter version of the original color is **51.4404, 32.3285, 34.1007**, and **21.2320, 10.8602, 4.8481** is the 20% darker color. If you saturate the color by 10%, you get **42.5910, 21.6739, 14.7608**, and if you desaturate by 10%, it is **43.7623, 22.7077, 19.1861**.

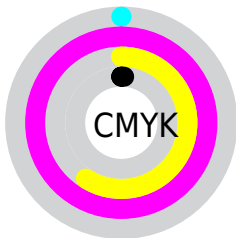
Distribution



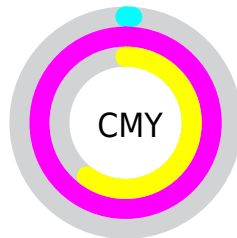
- Red (99%)
- Green (0%)
- Blue (40%)



- Red (99%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (1%)





- Cyan (1%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5931, 21.6747, 14.7707 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 42.5931, 21.6747, 14.7707 by changing the saturation by 10% instead.


 42.5931, 21.6747,
14.7707


 42.5931, 21.6747,
14.7707


347.8857,
260.8427, 233.5669


 29.7591, 13.6181,
8.5138


 78.3560, 46.2078,
35.1870


 19.8030, 7.8555,
4.3330


 102.0157, 63.4530,
50.1835


 12.3593, 4.0026,
1.8097


 130.0146, 84.5298,
68.9302

 7.0628, 1.6750,
0.4344

 162.7181,
109.8227, 91.8458

 3.5481, 0.4074,
0.0000

 200.4917,
139.7161, 119.3487

 1.4498, 0.0000,
0.0000

 243.7005,

 0.2913, 0.0000,

174.5943, 151.8575

0.0000

292.7101,
214.8417, 189.7907

■ 0.0000, 0.0000,
0.0000

■ 42.5931, 21.6747,
14.7707

■ 42.5931, 21.6747,
14.7707

■ 42.5910, 21.6739,
14.7608

■ 43.7623, 22.7077,
19.1861

■ 45.5256, 24.7046,
24.4897

■ 48.0285, 27.9470,
30.7603

■ 51.3616, 32.6068,
38.0565

■ 55.6013, 38.8284,
46.4307

60.8151, 46.7380,
55.9310

67.0635, 56.4490,
66.6019

74.4020, 68.0649,
78.4853

82.8820, 81.6810,
91.6208

Harmonies

Analogous

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



41.8177, 21.6747, 42.5584



42.5931, 21.6747, 14.7707



36.3441, 21.6747, 3.5602

Triad

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



42.5931, 21.6747, 14.7707



11.0677, 21.6747, 2.5971



15.6849, 21.6747, 109.0118

Complementary

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



42.5931, 21.6747, 14.7707



40.2409, 71.7929, 40.1966

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.



10.2222, 21.6747, 74.6094



42.5931, 21.6747, 14.7707



8.1413, 21.6747, 11.3210

Square

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



42.5931, 21.6747, 14.7707



17.2289, 21.6747, 0.7184



7.8851, 21.6747, 35.3907



24.3870, 21.6747, 112.8752

Rectangle

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



42.5931, 21.6747, 14.7707



29.8655, 21.6747, 1.3199



7.8851, 21.6747, 35.3907



13.4831, 21.6747, 99.8878

Sweetspot

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



42.5936, 21.6760, 14.7710



68.8626, 57.9411, 68.3682



29.6087, 13.2351, 93.0892



14.1317, 11.4519, 13.6122



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.



42.5936, 21.6760, 14.7710



43.7483, 22.2633, 15.1384



40.4143, 21.2340, 1.9703



17.5386, 17.3428, 19.4260



22.2550, 11.3177, 8.0512



2.1123, 1.0687, 1.0149

Inverse Universe

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



42.5936, 21.6760, 14.7710



43.7483, 22.2633, 15.1384



46.1487, 64.1833, 102.0514



17.5386, 17.3428, 19.4260



22.2550, 11.3177, 8.0512



2.1123, 1.0687, 1.0149

Previews

White Background



This preview shows how the XYZ color 42.5931, 21.6747, 14.7707 looks on a white background.

Color Contrast Check

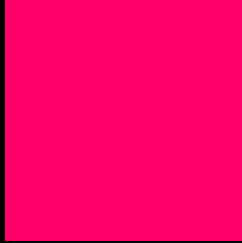
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.5931, 21.6747, 14.7707 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 42.5931, 21.6747, 14.7707

Background



This preview shows how black text looks on a background with the XYZ color 42.5931, 21.6747, 14.7707.



This preview shows how white text looks on a background with the XYZ color 42.5931, 21.6747,

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

42.5931, 21.6747, 14.7707

Protanopia

21.9595, 22.3381, 32.0085

Deuteranopia

22.4658, 22.0580, 13.1988



Tritanopia

40.5835, 22.0564, 4.0378

Trichromacy



Original Color

42.5931, 21.6747, 14.7707



Protanomaly

24.2642, 16.4987, 24.0960



Deuteranomaly

26.1425, 17.3836, 13.0438



Tritanomaly

41.0226, 21.5958, 6.5637

Monochromacy



Original Color

42.5931, 21.6747, 14.7707



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.3746, 9.7257, 11.4228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5931, 21.6747, 14.7707 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 103) }
```

Border

The CSS property to change the border of an element to XYZ 42.5931, 21.6747, 14.7707 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, 103) }
```


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

```
.border{ border-color:rgb(252, 0, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5931, 21.6747, 14.7707 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, 103) }
```

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

```
.background{ background-color: rgb(252, 0,  
103) }
```

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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