

Converting Colors

XYZ(41.8576, 21.2932, 14.8455)

Have a look what the booklet for
XYZ(41.8576, 21.2932, 14.8455)
contains.

XYZ(41.8725, 21.3033, 14.7370)	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(41.8725, 21.3033,
14.7370)**

Conversions

Conversions Part 1

Format	Color
Hex	FA0067
RGB	250, 0, 103
RGB Percent	98%, 0%, 40%
CMY	0.0196, 0.9997, 0.5961
CMYK	0.00, 1.00, 0.59, 0.02
HSL	335°, 100%, 49%
HSV	335°, 100%, 98%
XYZ	41.8725, 21.3033, 14.7370
YIQ	86.4920, 115.9370, 85.0330

Conversions

Conversions Part 2

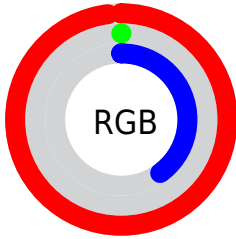
Format	Color
R_{YB}	250, 0, 103
Decimal	16384103
CIE _{Lab}	53.28, 81.83, 16.76
CIE _{LCh}	53, 83.531, 11.576
Yxy	21.3033, 0.5374, 0.2734
Android (android.graphics.Color)	4294574183 (0xFFFA0067)
YUV	86.4920, 8.1384, 143.3965
Hunter-Lab	46.1555, 81.1640, 13.3781

Details

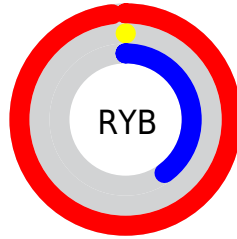
The XYZ color **41.8725, 21.3033, 14.7370** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **39.4579, 70.4799, 39.1555**, and the grayscale version is **8.9239, 9.3887, 10.2242**.

A 20% lighter version of the original color is **51.4404, 32.3285, 34.1007**, and **20.9882, 10.7345, 4.8367** is the 20% darker color. If you saturate the color by 10%, you get **41.8703, 21.3023, 14.7266**, and if you desaturate by 10%, it is **43.0256, 22.3230, 19.0886**.

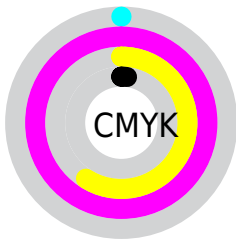
Distribution



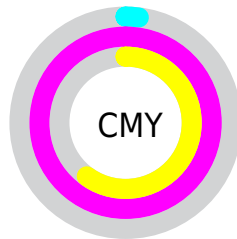
- Red (98%)
- Green (0%)
- Blue (40%)



- Red (98%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8725, 21.3033, 14.7370 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 41.8725, 21.3033, 14.7370 by changing the saturation by 10% instead.


 41.8725, 21.3033,
14.7370

 41.8725, 21.3033,
14.7370


344.9548,
258.8860, 233.3545


 29.1921, 13.3459,
8.4904


 77.2730, 45.5918,
35.1269

 19.3712, 7.6672,
4.3181


 100.7238, 62.6916,
50.1073


 12.0444, 3.8827,
1.8014


 128.4956, 83.6077,
68.8361

 6.8464, 1.6082,
0.4289

 160.9535,
108.7245, 91.7318

 3.4117, 0.3631,
0.0000

 198.4631,
138.4263, 119.2129

 1.3750, 0.0000,
0.0000

 241.3895,

 0.2383, 0.0000,

173.0975, 151.6981

0.0000

290.0983,
213.1227, 189.6057

■ 0.0000, 0.0000,
0.0000

■ 41.8725, 21.3033,
14.7370

■ 41.8725, 21.3033,
14.7370

■ 41.8703, 21.3023,
14.7266

■ 43.0256, 22.3230,
19.0886

■ 44.7604, 24.2880,
24.3054

■ 47.2200, 27.4753,
30.4643

■ 50.4929, 32.0532,
37.6223

■ 54.6542, 38.1633,
45.8301

■ 59.7697, 45.9294,
55.1344

■ 65.8989, 55.4626,
65.5784

■ 73.0959, 66.8643,
77.2029

■ 81.4113, 80.2280,
90.0461

Harmonies

Analogous

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



41.0255, 21.3033, 42.2253



41.8725, 21.3033, 14.7370



35.8047, 21.3033, 3.5705

Triad

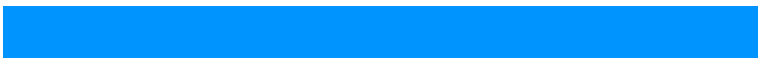
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



41.8725, 21.3033, 14.7370



10.9359, 21.3033, 2.5153



15.3387, 21.3033, 106.7697

Complementary

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



41.8725, 21.3033, 14.7370



39.4579, 70.4799, 39.1555

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.



10.0114, 21.3033, 72.7933



41.8725, 21.3033, 14.7370



8.0272, 21.3033, 10.9645

Square

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



41.8725, 21.3033, 14.7370



17.0264, 21.3033, 0.7012



7.7470, 21.3033, 34.3949



23.8527, 21.3033, 110.9873

Rectangle

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



41.8725, 21.3033, 14.7370



29.4608, 21.3033, 1.3236



7.7470, 21.3033, 34.3949



13.1893, 21.3033, 97.7078

Sweetspot

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



41.8730, 21.3046, 14.7373



68.8937, 57.9536, 68.5318



29.0853, 13.0018, 91.4185



14.1390, 11.4548, 13.6506



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.



41.8730, 21.3046, 14.7373



43.7908, 22.2803, 15.3625



39.6907, 20.8565, 1.9357



17.5410, 17.3438, 19.4387



22.2769, 11.3265, 8.1664



2.1145, 1.0695, 1.0263

Inverse Universe

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



41.8730, 21.3046, 14.7373



43.7908, 22.2803, 15.3625



45.3229, 63.0362, 100.2203



17.5410, 17.3438, 19.4387



22.2769, 11.3265, 8.1664



2.1145, 1.0695, 1.0263

Previews

White Background



This preview shows how the XYZ color 41.8725, 21.3033, 14.7370 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 41.8725, 21.3033, 14.7370 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 41.8725, 21.3033, 14.7370

Background



This preview shows how black text looks on a background with the XYZ color 41.8725, 21.3033, 14.7370.

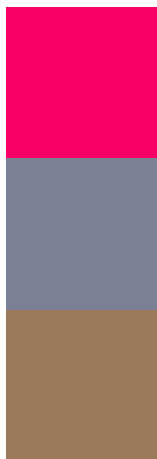


This preview shows how white text looks on a background with the XYZ color 41.8725, 21.3033,

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

41.8725, 21.3033, 14.7370

Protanopia

21.5364, 21.9254, 31.9511

Deuteranopia

22.1516, 21.7109, 13.1483



Tritanopia

39.8705, 21.6888, 4.0044

Trichromacy



Original Color

41.8725, 21.3033, 14.7370



Protanomaly

23.7536, 16.1244, 24.0507



Deuteranomaly

25.5747, 16.9847, 12.9968



Tritanomaly

40.3058, 21.2263, 6.5302

Monochromacy



Original Color

41.8725, 21.3033, 14.7370



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.1960, 9.6337, 11.4145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8725, 21.3033, 14.7370 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(250, 0, 103)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 0, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 103) }
```

Border

The CSS property to change the border of an element to XYZ 41.8725, 21.3033, 14.7370 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(250, 0, 103) }
```


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

```
.border{ border-color:rgb(250, 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(250, 0, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8725, 21.3033, 14.7370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 103) }
```

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

```
.background{ background-color: rgb(250, 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](#).

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