

Converting Colors

XYZ(42.9484, 21.7295, 20.5896)

Have a look what the booklet for
XYZ(42.9484, 21.7295, 20.5896)
contains.

XYZ(42.9995, 21.7541, 20.6715)	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(42.9995, 21.7541,
20.6715)**

Conversions

Conversions Part 1

Format	Color
Hex	FA007B
RGB	250, 0, 123
RGB Percent	98%, 0%, 48%
CMY	0.0196, 0.9997, 0.5176
CMYK	0.00, 1.00, 0.51, 0.02
HSL	330°, 100%, 49%
HSV	330°, 100%, 98%
XYZ	42.9995, 21.7541, 20.6715
YIQ	88.7720, 109.5170, 91.2530

Conversions

Conversions Part 2

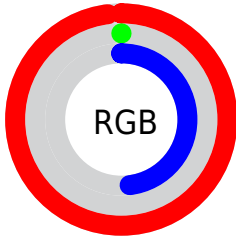
Format	Color
R_{YB}	250, 0, 123
Decimal	16384123
CIE _{Lab}	53.77, 83.12, 5.34
CIE _{LCh}	54, 83.295, 3.674
Yxy	21.7541, 0.5034, 0.2547
Android (android.graphics.Color)	4294574203 (0xFFFA007B)
YUV	88.7720, 16.8744, 141.3970
Hunter-Lab	46.6413, 82.9403, 6.3715

Details

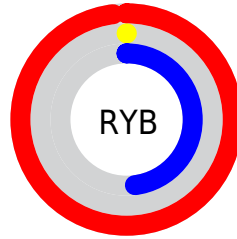
The XYZ color **42.9995, 21.7541, 20.6715** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **38.0213, 69.9054, 31.5900**, and the grayscale version is **9.4002, 9.8898, 10.7700**.

A 20% lighter version of the original color is **53.3455, 33.0905, 44.1329**, and **21.5197, 10.9471, 7.6354** is the 20% darker color. If you saturate the color by 10%, you get **42.9973, 21.7531, 20.6606**, and if you desaturate by 10%, it is **44.1961, 22.7911, 25.2520**.

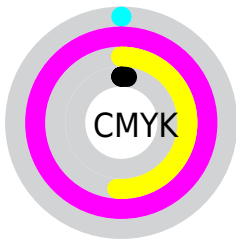
Distribution



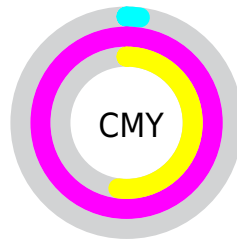
- Red (98%)
- Green (0%)
- Blue (48%)



- Red (98%)
- Yellow (0%)
- Blue (48%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (2%)




- Cyan (2%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9995, 21.7541, 20.6715 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 42.9995, 21.7541, 20.6715 by changing the saturation by 10% instead.


 42.9995, 21.7541,
20.6715


 42.9995, 21.7541,
20.6715


349.5313,
261.2594, 268.2510


 30.0792, 13.6763,
12.6952


 78.9658, 46.3392,
45.4138


 20.0471, 7.8959,
7.0907


 102.7426, 63.6154,
63.0170


 12.5378, 4.0284,
3.4396


 130.8689, 84.7265,
84.6661

 7.1858, 1.6895,
1.3232

 163.7102,
110.0569, 110.7798

 3.6259, 0.4168,
0.0807

 201.6317,
139.9910, 141.7766

 1.4928, 0.0000,
0.0000

244.9988,

 0.3209, 0.0000,

174.9132, 178.0750

0.0000

294.1768,
215.2078, 220.0936

■ 0.0000, 0.0000,
0.0000

■ 42.9995, 21.7541,
20.6715

■ 42.9995, 21.7541,
20.6715

■ 42.9973, 21.7531,
20.6606

■ 44.1961, 22.7911,
25.2520

■ 45.9452, 24.7618,
30.5440

■ 48.3874, 27.9421,
36.6122

■ 51.6094, 32.4995,
43.5020

■ 55.6841, 38.5749,
51.2537

60.6753, 46.2912,
59.9039

66.6409, 55.7589,
69.4867

73.6333, 67.0786,
80.0338

81.7013, 80.3434,
91.5752

Harmonies

Analogous

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



40.2159, 21.7541, 52.8971



42.9995, 21.7541, 20.6715



38.5248, 21.7541, 5.5379

Triad

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



42.9995, 21.7541, 20.6715



12.5382, 21.7541, 1.8018



13.9545, 21.7541, 100.8266

Complementary

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



42.9995, 21.7541, 20.6715



38.0213, 69.9054, 31.5900

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.



9.4206, 21.7541, 62.7864



42.9995, 21.7541, 20.6715



8.7837, 21.7541, 7.8796

Square

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



42.9995, 21.7541, 20.6715



19.5952, 21.7541, 0.6694



7.8331, 21.7541, 26.9813



21.7972, 21.7541, 114.5451

Rectangle

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



42.9995, 21.7541, 20.6715



32.6163, 21.7541, 2.0467



7.8331, 21.7541, 26.9813



12.0772, 21.7541, 89.5613

Sweetspot

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



43.0001, 21.7554, 20.6718



69.6713, 58.2646, 72.6266



25.7182, 11.2660, 91.2612



14.3220, 11.5280, 14.6141



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.



43.0001, 21.7554, 20.6718



44.9690, 22.7516, 21.5665



39.4253, 20.3255, 1.8472



17.6005, 17.3676, 19.7520



22.8795, 11.5675, 11.3400



2.1725, 1.0927, 1.3316

Inverse Universe

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



43.0001, 21.7554, 20.6718



44.9690, 22.7516, 21.5665



51.4415, 75.2735, 102.2601



17.6005, 17.3676, 19.7520



22.8795, 11.5675, 11.3400



2.1725, 1.0927, 1.3316

Previews

White Background



This preview shows how the XYZ color 42.9995, 21.7541, 20.6715 looks on a white background.

Color Contrast Check

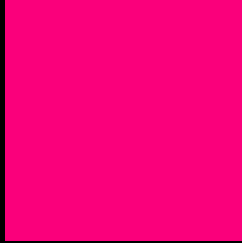
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9995, 21.7541, 20.6715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

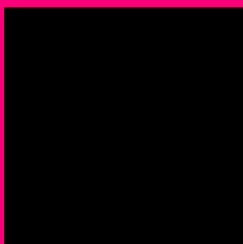
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.9995, 21.7541, 20.6715

Background



This preview shows how black text looks on a background with the XYZ color 42.9995, 21.7541, 20.6715.

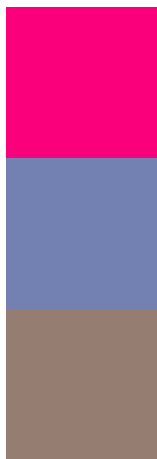


This preview shows how white text looks on a background with the XYZ color 42.9995, 21.7541,

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

42.9995, 21.7541, 20.6715

Protanopia

22.8253, 22.2975, 45.2203

Deuteranopia

22.7087, 22.2490, 18.7204



Tritanopia

40.0105, 22.1925, 5.0805

Trichromacy



Original Color

42.9995, 21.7541, 20.6715



Protanomaly

24.4238, 16.2460, 34.1963



Deuteranomaly

26.3292, 17.4608, 18.8122



Tritanomaly

40.5059, 21.4582, 8.8444

Monochromacy



Original Color

42.9995, 21.7541, 20.6715



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

16.0248, 10.1617, 13.4287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9995, 21.7541, 20.6715 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 123) }
```

Border

The CSS property to change the border of an element to XYZ 42.9995, 21.7541, 20.6715 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, 123) }
```


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

```
.border{ border-color:rgb(250, 0, 123) }
```

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, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 123);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9995, 21.7541, 20.6715 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, 123) }
```

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

```
.background{ background-color: rgb(250, 0,  
123) }
```

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