

Converting Colors

XYZ(42.8316, 21.6828, 19.9743)

Have a look what the booklet for
XYZ(42.8316, 21.6828, 19.9743)
contains.

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Color

**XYZ(42.8755, 21.7045,
20.0187)**

Conversions

Conversions Part 1

Format	Color
Hex	FA0079
RGB	250, 0, 121
RGB Percent	98%, 0%, 47%
CMY	0.0196, 0.9997, 0.5255
CMYK	0.00, 1.00, 0.52, 0.02
HSL	331°, 100%, 49%
HSV	331°, 100%, 98%
XYZ	42.8755, 21.7045, 20.0187
YIQ	88.5440, 110.1590, 90.6310

Conversions

Conversions Part 2

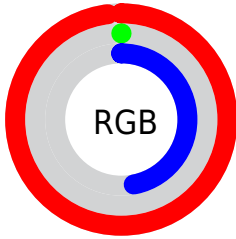
Format	Color
R_{YB}	250, 0, 121
Decimal	16384121
CIE _{Lab}	53.71, 82.98, 6.47
CIE _{LCh}	54, 83.235, 4.457
Yxy	21.7045, 0.5068, 0.2566
Android (android.graphics.Color)	4294574201 (0xFFFA0079)
YUV	88.5440, 16.0008, 141.5969
Hunter-Lab	46.5881, 82.7462, 7.1350

Details

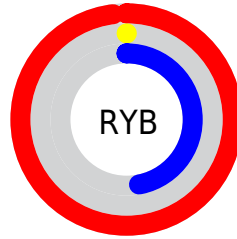
The XYZ color **42.8755, 21.7045, 20.0187** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **38.1531, 69.9580, 32.2841**, and the grayscale version is **9.3520, 9.8390, 10.7147**.

A 20% lighter version of the original color is **53.1505, 33.0125, 43.1059**, and **21.4523, 10.9201, 7.2805** is the 20% darker color. If you saturate the color by 10%, you get **42.8733, 21.7035, 20.0078**, and if you desaturate by 10%, it is **44.0695, 22.7405, 24.5856**.

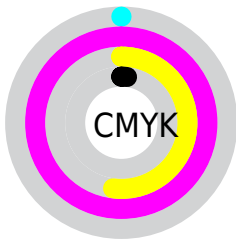
Distribution



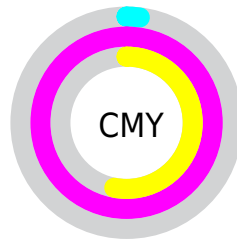
- Red (98%)
- Green (0%)
- Blue (47%)



- Red (98%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8755, 21.7045, 20.0187 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 42.8755, 21.7045, 20.0187 by changing the saturation by 10% instead.


 42.8755, 21.7045,
20.0187

 42.8755, 21.7045,
20.0187


349.0297,
260.9992, 264.6239


 29.9815, 13.6399,
12.2244

 78.7798, 46.2571,
44.3079


 19.9726, 7.8707,
6.7723


 102.5209, 63.5139,
61.6399


 12.4833, 4.0123,
3.2438


 130.6084, 84.6037,
82.9883

 7.1482, 1.6804,
1.2205

 163.4077,
109.9106, 108.7715

 3.6021, 0.4109,
0.0000

 201.2841,
139.8193, 139.4081

 1.4796, 0.0000,
0.0000

244.6030,

 0.3119, 0.0000,

174.7140, 175.3167

0.0000

293.7298,
214.9792, 216.9158

■ 0.0000, 0.0000,
0.0000

■ 42.8755, 21.7045,
20.0187

■ 42.8755, 21.7045,
20.0187

■ 42.8733, 21.7035,
20.0078

■ 44.0695, 22.7405,
24.5856

■ 45.8189, 24.7113,
29.8792

■ 48.2645, 27.8929,
35.9650

■ 51.4931, 32.4531,
42.8894

■ 55.5777, 38.5324,
50.6938

■ 60.5826, 46.2542,
59.4154

■ 66.5654, 55.7288,
69.0892

■ 73.5790, 67.0570,
79.7477

■ 81.6722, 80.3318,
91.4216

Harmonies

Analogous

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



40.2851, 21.7045, 51.7531



42.8755, 21.7045, 20.0187



38.2394, 21.7045, 5.3164

Triad

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



42.8755, 21.7045, 20.0187



12.3707, 21.7045, 1.8658



14.0853, 21.7045, 101.3746

Complementary

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



42.8755, 21.7045, 20.0187



38.1531, 69.9580, 32.2841

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.



9.4768, 21.7045, 63.7166



42.8755, 21.7045, 20.0187



8.7055, 21.7045, 8.1547

Square

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



42.8755, 21.7045, 20.0187



19.3257, 21.7045, 0.6728



7.8236, 21.7045, 27.6570



21.9906, 21.7045, 114.1534

Rectangle

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



42.8755, 21.7045, 20.0187



32.2859, 21.7045, 1.9657



7.8236, 21.7045, 27.6570



12.1824, 21.7045, 90.3207

Sweetspot

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



42.8761, 21.7058, 20.0190



69.5922, 58.2330, 72.2101



25.7182, 11.2660, 91.2611



14.3033, 11.5206, 14.5158



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.



42.8761, 21.7058, 20.0190



44.8393, 22.6997, 20.8839



39.4252, 20.3255, 1.8472



17.5945, 17.3652, 19.7205



22.8134, 11.5411, 10.9920



2.1662, 1.0902, 1.2988

Inverse Universe

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



42.8761, 21.7058, 20.0190



44.8393, 22.6997, 20.8839



51.4415, 75.2734, 102.2600



17.5945, 17.3652, 19.7205



22.8134, 11.5411, 10.9920



2.1662, 1.0902, 1.2988

Previews

White Background



This preview shows how the XYZ color 42.8755, 21.7045, 20.0187 looks on a white background.

Color Contrast Check

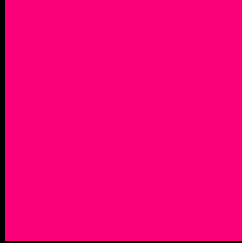
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.8755, 21.7045, 20.0187 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 42.8755, 21.7045, 20.0187

Background



This preview shows how black text looks on a background with the XYZ color 42.8755, 21.7045, 20.0187.



This preview shows how white text looks on a background with the XYZ color 42.8755, 21.7045,

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

42.8755, 21.7045, 20.0187

Protanopia

22.6595, 22.2465, 43.6572

Deuteranopia

22.5973, 22.2045, 18.1338



Tritanopia

39.9482, 22.1015, 4.9568

Trichromacy



Original Color

42.8755, 21.7045, 20.0187



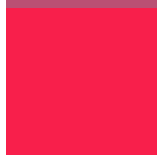
Protanomaly

24.3759, 16.2507, 32.8623



Deuteranomaly

26.2129, 17.4142, 18.1994



Tritanomaly

40.4714, 21.4444, 8.6627

Monochromacy



Original Color

42.8755, 21.7045, 20.0187



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 42.8755, 21.7045, 20.0187 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, 121)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 121)  
}
```

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, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 121) }
```

Border

The CSS property to change the border of an element to XYZ 42.8755, 21.7045, 20.0187 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, 121) }
```


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

```
.border{ border-color:rgb(250, 0, 121) }
```

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, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 121);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8755, 21.7045, 20.0187 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, 121) }
```

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

```
.background{ background-color: rgb(250, 0,  
121) }
```

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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