

Converting Colors

XYZ(42.6929, 21.4693, 18.2137)

Have a look what the booklet for
XYZ(42.6929, 21.4693, 18.2137)
contains.

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Color

**XYZ(42.8782, 21.7470,
18.1573)**

Conversions

Conversions Part 1

Format	Color
Hex	FB0073
RGB	251, 0, 115
RGB Percent	98%, 0%, 45%
CMY	0.0157, 0.9998, 0.5490
CMYK	0.00, 1.00, 0.54, 0.02
HSL	333°, 100%, 49%
HSV	333°, 100%, 98%
XYZ	42.8782, 21.7470, 18.1573
YIQ	88.1590, 112.6810, 88.9770

Conversions

Conversions Part 2

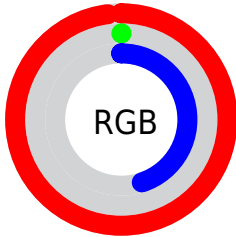
Format	Color
R_{YB}	251, 0, 115
Decimal	16449651
CIE _{Lab}	53.76, 82.80, 10.19
CIE _{LCh}	54, 83.419, 7.014
Yxy	21.7470, 0.5180, 0.2627
Android (android.graphics.Color)	4294639731 (0xFFFB0073)
YUV	88.1590, 13.2326, 142.8116
Hunter-Lab	46.6337, 82.5162, 9.5584

Details

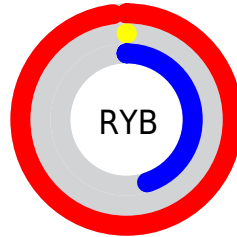
The XYZ color **42.8782, 21.7470, 18.1573** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **38.9461, 70.7739, 34.9233**, and the grayscale version is **9.2727, 9.7556, 10.6238**.

A 20% lighter version of the original color is **52.5827, 32.7854, 40.1160**, and **21.5369, 10.9822, 6.4535** is the 20% darker color. If you saturate the color by 10%, you get **42.8762, 21.7462, 18.1473**, and if you desaturate by 10%, it is **44.0708, 22.7858, 22.7063**.

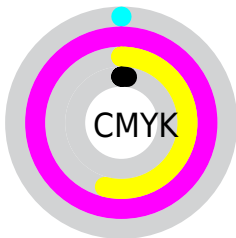
Distribution



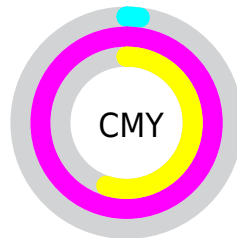
- Red (98%)
- Green (0%)
- Blue (45%)



- Red (98%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8782, 21.7470, 18.1573 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 42.8782, 21.7470, 18.1573 by changing the saturation by 10% instead.

 42.8782, 21.7470,
18.1573


 42.8782, 21.7470,
18.1573


349.0406,
261.2222, 254.0220


 29.9837, 13.6711,
10.8924


 78.7839, 46.3275,
41.1227


 19.9742, 7.8923,
5.8812


 102.5257, 63.6009,
57.6603


 12.4844, 4.0261,
2.7054


 130.6141, 84.7089,
78.1259

 7.1490, 1.6882,
0.9461

 163.4143,
110.0359, 102.9379

 3.6026, 0.4160,
0.0000

 201.2917,
139.9664, 132.5150

 1.4799, 0.0000,
0.0000

244.6116,

 0.3121, 0.0000,

174.8847, 167.2757

0.0000

293.7395,
215.1751, 207.6385

■ 0.0000, 0.0000,
0.0000

■ 42.8782, 21.7470,
18.1573

■ 42.8782, 21.7470,
18.1573

■ 42.8762, 21.7462,
18.1473

■ 44.0708, 22.7858,
22.7063

■ 45.8334, 24.7720,
28.0385

■ 48.3089, 27.9844,
34.2236

■ 51.5854, 32.5924,
41.3120

■ 55.7374, 38.7385,
49.3484

■ 60.8302, 46.5473,
58.3737

■ 66.9228, 56.1305,
68.4257

■ 74.0689, 67.5902,
79.5400

■ 82.3183, 81.0203,
91.7502

Harmonies

Analogous

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



40.8972, 21.7470, 48.6006



42.8782, 21.7470, 18.1573



37.6747, 21.7470, 4.6788

Triad

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



42.8782, 21.7470, 18.1573



11.9465, 21.7470, 2.1032



14.6533, 21.7470, 104.1637

Complementary

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



42.8782, 21.7470, 18.1573



38.9461, 70.7739, 34.9233

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.



9.7513, 21.7470, 67.4491



42.8782, 21.7470, 18.1573



8.5328, 21.7470, 9.1793

Square

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



42.8782, 21.7470, 18.1573



18.6394, 21.7470, 0.6915



7.8651, 21.7470, 30.2195



22.8427, 21.7470, 113.9689

Rectangle

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



42.8782, 21.7470, 18.1573



31.5221, 21.7470, 1.7320



7.8651, 21.7470, 30.2195



12.6471, 21.7470, 93.7142

Sweetspot

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



42.8788, 21.7483, 18.1576



69.3390, 58.1317, 70.8766



27.2280, 12.0261, 92.1527



14.2436, 11.4967, 14.2016



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.



42.8788, 21.7483, 18.1576



44.4391, 22.5396, 18.7762



39.8754, 20.6922, 1.8941



17.5753, 17.3575, 19.6191



22.6091, 11.4594, 9.9158



2.1468, 1.0825, 1.1964

Inverse Universe

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



42.8788, 21.7483, 18.1576



44.4391, 22.5396, 18.7762



49.3548, 70.8484, 102.3404



17.5753, 17.3575, 19.6191



22.6091, 11.4594, 9.9158



2.1468, 1.0825, 1.1964

Previews

White Background



This preview shows how the XYZ color 42.8782, 21.7470, 18.1573 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 42.8782, 21.7470, 18.1573 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 42.8782, 21.7470, 18.1573

Background



This preview shows how black text looks on a background with the XYZ color 42.8782, 21.7470, 18.1573.



This preview shows how white text looks on a background with the XYZ color 42.8782, 21.7470,

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

42.8782, 21.7470, 18.1573

Protanopia

22.4400, 22.2214, 39.6657

Deuteranopia

22.6459, 22.2665, 16.4689



Tritanopia

40.1620, 22.0999, 4.6316

Trichromacy



Original Color

42.8782, 21.7470, 18.1573



Protanomaly

24.4362, 16.3478, 29.8845



Deuteranomaly

26.1225, 17.4062, 16.4509



Tritanomaly

40.6118, 21.4607, 7.7962

Monochromacy



Original Color

42.8782, 21.7470, 18.1573



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.6514, 9.9132, 12.6438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8782, 21.7470, 18.1573 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(251, 0, 115)` looks like.

```
.text, #text, p{  
    color:rgb(251, 0, 115)  
}
```

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(251, 0, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 0, 115) }
```

Border

The CSS property to change the border of an element to XYZ 42.8782, 21.7470, 18.1573 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(251, 0, 115) }
```


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

```
.border{ border-color:rgb(251, 0, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 0, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 0, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 0, 115);  
box-shadow:4px 4px 4px 4px rgb(251, 0,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8782, 21.7470, 18.1573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 0, 115) }
```

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

```
.background{ background-color: rgb(251, 0,  
115) }
```

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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