

Converting Colors

XYZ(42.9226, 21.9816, 10.6412)

Have a look what the booklet for
XYZ(42.9226, 21.9816, 10.6412)
contains.

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Color

**XYZ(42.9123, 21.9810,
10.5754)**

Conversions

Conversions Part 1

Format	Color
Hex	FF0355
RGB	255, 3, 85
RGB Percent	100%, 1%, 33%
CMY	0.0000, 0.9880, 0.6667
CMYK	0.00, 0.99, 0.67, 0.00
HSL	340°, 100%, 51%
HSV	340°, 99%, 100%
XYZ	42.9123, 21.9810, 10.5754
YIQ	87.6960, 123.8700, 78.9260

Conversions

Conversions Part 2

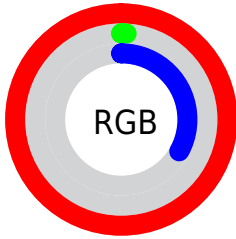
Format	Color
RYB	255, 3, 85
Decimal	16712533
CIELab	54.01, 81.82, 28.77
CIElCh	54, 86.732, 19.371
Yxy	21.9810, 0.5686, 0.2913
Android (android.graphics.Color)	4294902613 (0xFFFF0355)
YUV	87.6960, -1.3291, 146.7256
Hunter-Lab	46.8839, 81.3322, 19.4449

Details

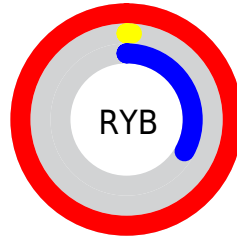
The XYZ color **42.9123, 21.9810, 10.5754** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **43.3475, 74.5592, 51.6757**, and the grayscale version is **9.2016, 9.6808, 10.5424**.

A 20% lighter version of the original color is **50.0049, 31.9049, 26.0770**, and **21.6354, 11.1072, 3.1014** is the 20% darker color. If you saturate the color by 10%, you get **42.7985, 21.8834, 10.1377**, and if you desaturate by 10%, it is **44.0772, 23.0810, 14.7563**.

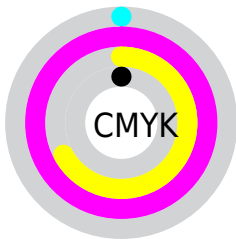
Distribution



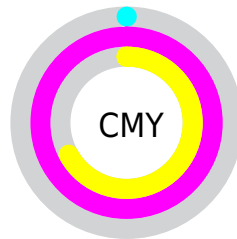
- Red (100%)
- Green (1%)
- Blue (33%)



- Red (100%)
- Yellow (1%)
- Blue (33%)



- Cyan (0%)
- Magenta (99%)
- Yellow (67%)
- Black (0%)





- Cyan (0%)
- Magenta (99%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9123, 21.9810, 10.5754 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 42.9123, 21.9810, 10.5754 by changing the saturation by 10% instead.

 42.9123, 21.9810,
10.5754

 42.9123, 21.9810,
10.5754


349.1786,
262.4470, 205.3627

 30.0105, 13.8429,
5.6715


 78.8350, 46.7146,
27.4968

 19.9947, 8.0115,
2.5809


 102.5867, 64.0789,
40.3515


 12.4994, 4.1023,
0.8826


 130.6858, 85.2874,
56.6935

 7.1594, 1.7310,
0.0000

 163.4975,
110.7246, 76.9414

 3.6092, 0.4436,
0.0000

 201.3873,
140.7747, 101.5137

 1.4835, 0.0000,
0.0000

244.7205,

 0.3146, 0.0000,

175.8222, 130.8290

0.0000

293.8625,
216.2515, 165.3058

■ 0.0000, 0.0000,
0.0000

■ 42.9123, 21.9810,
10.5754

■ 42.9123, 21.9810,
10.5754

■ 42.7985, 21.8834,
10.1377

■ 44.0772, 23.0810,
14.7563

■ 45.9168, 25.2464,
20.0365

■ 48.5651, 28.7294,
26.5104

■ 52.1167, 33.7042,
34.2555

■ 56.6521, 40.3181,
43.3418

■ 62.2428, 48.7007,
53.8334

■ 68.9530, 58.9683,
65.7898

■ 76.8418, 71.2273,
79.2671

■ 85.9641, 85.5760,
94.3181

Harmonies

Analogous

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



44.0710, 21.9810, 34.7670



42.9123, 21.9810, 10.5754



34.9554, 21.9810, 2.2493

Triad

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



42.9123, 21.9810, 10.5754



9.9856, 21.9810, 3.6057



17.7425, 21.9810, 118.8846

Complementary

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



42.9123, 21.9810, 10.5754



43.3475, 74.5592, 51.6757

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.



11.2202, 21.9810, 88.3259



42.9123, 21.9810, 10.5754



7.7172, 21.9810, 15.6228

Square

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



42.9123, 21.9810, 10.5754



15.4686, 21.9810, 0.7895



8.0889, 21.9810, 45.4489



27.4553, 21.9810, 113.0568

Rectangle

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



42.9123, 21.9810, 10.5754



27.9037, 21.9810, 0.8351



8.0889, 21.9810, 45.4489



15.1664, 21.9810, 111.9696

Sweetspot

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



42.9128, 21.9824, 10.5757



68.0848, 57.6300, 64.2724



34.8826, 15.9470, 95.8468



13.9500, 11.3792, 12.6553



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.



42.9128, 21.9824, 10.5757



42.7987, 21.8835, 10.1378



42.1971, 23.1477, 2.3320



18.2529, 18.0845, 19.9488



22.4237, 11.4588, 5.6159



2.2310, 1.1348, 0.7980

Inverse Universe

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



42.9128, 21.9824, 10.5757



42.7987, 21.8835, 10.1378



41.8853, 54.8337, 102.9837



18.2529, 18.0845, 19.9488



22.4237, 11.4588, 5.6159



2.2310, 1.1348, 0.7980

Previews

White Background



This preview shows how the XYZ color 42.9123, 21.9810, 10.5754 looks on a white background.

Color Contrast Check

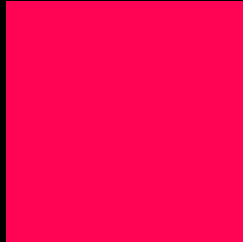
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.9123, 21.9810, 10.5754 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 42.9123, 21.9810, 10.5754

Background



This preview shows how black text looks on a background with the XYZ color 42.9123, 21.9810, 10.5754.



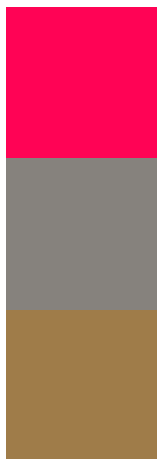
This preview shows how white text looks on a background with the XYZ color 42.9123, 21.9810,

10.5754.

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

42.9123, 21.9810, 10.5754

Protanopia

21.5158, 22.5143, 22.6137

Deuteranopia

22.7083, 22.2673, 9.4045



Tritanopia

41.3144, 22.1204, 3.3205

Trichromacy



Original Color

42.9123, 21.9810, 10.5754



Protanomaly

24.3449, 16.9314, 16.7368



Deuteranomaly

26.4563, 17.7425, 9.0514



Tritanomaly

41.7552, 21.9139, 5.0467

Monochromacy



Original Color

42.9123, 21.9810, 10.5754



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.5779, 10.0039, 10.1267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9123, 21.9810, 10.5754 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(255, 3, 85)` looks like.

```
.text, #text, p{  
  color:rgb(255, 3, 85)  
}
```

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(255, 3, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 3, 85) }
```

Border

The CSS property to change the border of an element to XYZ 42.9123, 21.9810, 10.5754 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(255, 3, 85) }
```


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

```
.border{ border-color:rgb(255, 3, 85) }
```

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

Here you see how a box with a 4 pixel rgb(255, 3, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 3, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 3, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 3, 85)  
}
```

Background

The CSS property to change the background color of an element to XYZ 42.9123, 21.9810, 10.5754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 3, 85) }
```

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

```
.background{ background-color: rgb(255, 3,  
85) }
```

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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