

# Converting Colors

XYZ(42.6585, 21.7197, 14.2636)

Have a look what the booklet for  
XYZ(42.6585, 21.7197, 14.2636)  
contains.

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# Color

**XYZ(42.4938, 21.6350,  
14.2482)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC0065
RGB	252, 0, 101
RGB Percent	99%, 0%, 40%
CMY	0.0118, 0.9997, 0.6039
CMYK	0.00, 1.00, 0.60, 0.01
HSL	336°, 100%, 49%
HSV	336°, 100%, 99%
XYZ	42.4938, 21.6350, 14.2482
YIQ	86.8620, 117.7710, 84.8350

# Conversions

## Conversions Part 2

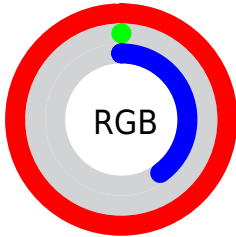
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 0, 101
Decimal	16515173
CIE <sub>Lab</sub>	53.64, 82.16, 18.53
CIE <sub>LCh</sub>	54, 84.226, 12.707
Yxy	21.6350, 0.5422, 0.2760
Android (android.graphics.Color)	4294705253 (0xFFFC0065)
YUV	86.8620, 6.9700, 144.8260
Hunter-Lab	46.5134, 81.6757, 14.3974

# Details

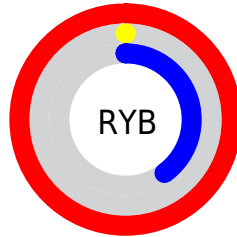
The XYZ color **42.4938, 21.6350, 14.2482** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **40.4022, 71.8573, 41.0461**, and the grayscale version is **9.0049, 9.4739, 10.3171**.

A 20% lighter version of the original color is **51.1936, 32.2297, 32.8009**, and **21.1831, 10.8406, 4.5904** is the 20% darker color. If you saturate the color by 10%, you get **42.4917, 21.6341, 14.2381**, and if you desaturate by 10%, it is **43.6564, 22.6654, 18.6287**.

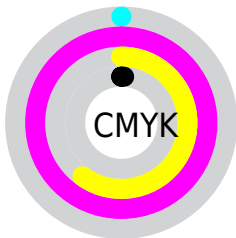
# Distribution



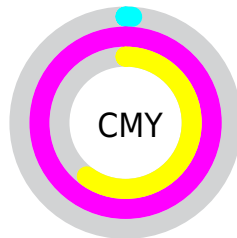
- Red (99%)
- Green (0%)
- Blue (40%)



- Red (99%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (1%)




- Cyan (1%)
- Magenta (100%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4938, 21.6350, 14.2482 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 42.4938, 21.6350, 14.2482 by changing the saturation by 10% instead.




 42.4938, 21.6350,  
14.2482


 42.4938, 21.6350,  
14.2482


347.4828,  
260.6342, 230.2513

 29.6809, 13.5889,  
8.1528


 78.2069, 46.1420,  
34.2522

 19.7434, 7.8353,  
4.1037


 101.8379, 63.3717,  
48.9979


 12.3158, 3.9898,  
1.6824


 129.8056, 84.4315,  
67.4641

 7.0329, 1.6678,  
0.3486

 162.4754,  
109.7056, 90.0693

 3.5292, 0.4027,  
0.0000

 200.2127,  
139.5786, 117.2321

 1.4394, 0.0000,  
0.0000

 243.3827,

 0.2840, 0.0000,

174.4347, 149.3710

0.0000

292.3510,  
214.6585, 186.9046

■ 0.0000, 0.0000,  
0.0000

■ 42.4938, 21.6350,  
14.2482

■ 42.4938, 21.6350,  
14.2482

■ 42.4917, 21.6341,  
14.2381

■ 43.6564, 22.6654,  
18.6287

■ 45.4161, 24.6609,  
23.9130

■ 47.9187, 27.9033,  
30.1817

■ 51.2550, 32.5644,  
37.4948

■ 55.5018, 38.7889,  
45.9060

60.7267, 46.7031,  
55.4645

66.9905, 56.4204,  
66.2161

74.3488, 68.0442,  
78.2037

82.8533, 81.6703,  
91.4679

# Harmonies

## Analogous

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



41.9148, 21.6350, 41.5804



42.4938, 21.6350, 14.2482



36.0867, 21.6350, 3.3934

# Triad

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



42.4938, 21.6350, 14.2482



10.9154, 21.6350, 2.6794



15.8350, 21.6350, 109.6739

# Complementary

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



42.4938, 21.6350, 14.2482



40.4022, 71.8573, 41.0461

# 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.



10.2858, 21.6350, 75.7167



42.4938, 21.6350, 14.2482



8.0682, 21.6350, 11.6794

# Square

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



42.4938, 21.6350, 14.2482



16.9860, 21.6350, 0.7212



7.8776, 21.6350, 36.2308



24.6109, 21.6350, 112.5618



# Rectangle

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



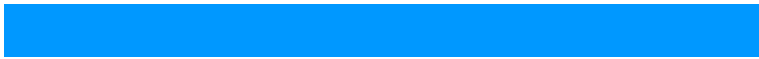
42.4938, 21.6350, 14.2482



29.5661, 21.6350, 1.2582



7.8776, 21.6350, 36.2308



13.6034, 21.6350, 100.7853

# Sweetspot

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



42.4943, 21.6363, 14.2485



68.7871, 57.9110, 67.9708



29.6087, 13.2352, 93.0890



14.1140, 11.4448, 13.5191



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.



42.4943, 21.6363, 14.2485



43.6464, 22.2225, 14.6018



40.4143, 21.2340, 1.9704



17.5327, 17.3404, 19.3950



22.2026, 11.2968, 7.7752



2.1071, 1.0666, 0.9876



# Inverse Universe

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



42.4943, 21.6363, 14.2485



43.6464, 22.2225, 14.6018



46.1487, 64.1832, 102.0512



17.5327, 17.3404, 19.3950



22.2026, 11.2968, 7.7752



2.1071, 1.0666, 0.9876



# Previews

## White Background



This preview shows how the XYZ color 42.4938, 21.6350, 14.2482 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

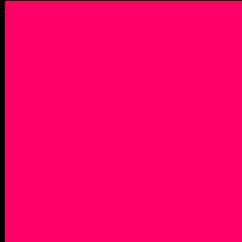
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4938, 21.6350, 14.2482 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 42.4938, 21.6350, 14.2482**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4938, 21.6350, 14.2482.



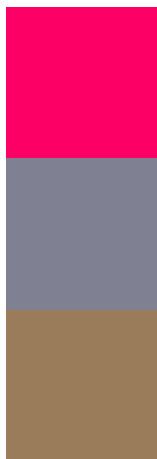
This preview shows how white text looks on a background with the XYZ color 42.4938, 21.6350,



# 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

42.4938, 21.6350, 14.2482

### Protanopia

21.8691, 22.3191, 30.7592

### Deuteranopia

22.3795, 22.0235, 12.7443



## Tritanopia

40.5330, 21.9815, 3.9403

# Trichromacy



## Original Color

42.4938, 21.6350, 14.2482



## Protanomaly

24.0598, 16.4169, 23.0198



## Deuteranomaly

26.0516, 17.3473, 12.5650



## Tritanomaly

40.9736, 21.5414, 6.4132

# Monochromacy



## Original Color

42.4938, 21.6350, 14.2482



## Achromatopsia

9.0590, 9.5307, 10.3790



## Achromatomaly

15.3306, 9.7081, 11.1911

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4938, 21.6350, 14.2482 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(252, 0, 101)` looks like.

```
.text, #text, p{  
    color:rgb(252, 0, 101)  
}
```

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(252, 0, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 101) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4938, 21.6350, 14.2482 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(252, 0, 101) }
```



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

```
.border{ border-color:rgb(252, 0, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 0, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 101);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
101) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4938, 21.6350, 14.2482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 101) }
```

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

```
.background{ background-color: rgb(252, 0,  
101) }
```

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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