

# Converting Colors

XYZ(42.5016, 22.6797, 24.3561)

Have a look what the booklet for  
XYZ(42.5016, 22.6797, 24.3561)  
contains.

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# Color

**XYZ(42.4057, 22.6543,  
24.3280)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F42B85
RGB	244, 43, 133
RGB Percent	96%, 17%, 52%
CMY	0.0431, 0.8313, 0.4784
CMYK	0.00, 0.82, 0.45, 0.04
HSL	333°, 90%, 56%
HSV	333°, 82%, 96%
XYZ	42.4057, 22.6543, 24.3280
YIQ	113.3590, 90.9060, 70.6020

# Conversions

## Conversions Part 2

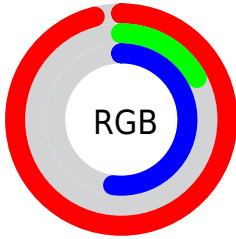
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 43, 133
Decimal	16001925
CIE <sub>Lab</sub>	54.71, 77.26, 0.56
CIE <sub>LCh</sub>	55, 77.259, 0.416
Yxy	22.6543, 0.4744, 0.2534
Android (android.graphics.Color)	4294192005 (0xFFFF42B85)
YUV	113.3590, 9.6830, 114.5722
Hunter-Lab	47.5965, 75.7390, 3.0127

# Details

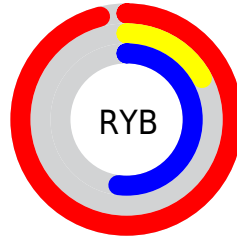
The XYZ color **42.4057, 22.6543, 24.3280** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **39.1818, 67.5488, 41.5528**, and the grayscale version is **15.7584, 16.5791, 18.0547**.

A 20% lighter version of the original color is **55.8971, 36.3935, 50.5329**, and **20.8916, 10.5852, 9.3295** is the 20% darker color. If you saturate the color by 10%, you get **40.8959, 21.0305, 19.5223**, and if you desaturate by 10%, it is **44.5657, 25.3875, 29.9402**.

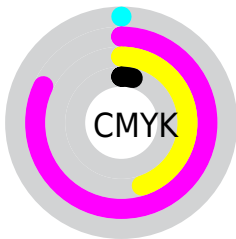
# Distribution



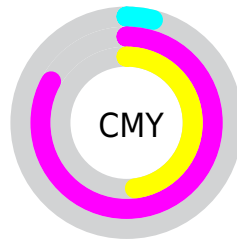
- Red (96%)
- Green (17%)
- Blue (52%)



- Red (96%)
- Yellow (17%)
- Blue (52%)



- Cyan (0%)
- Magenta (82%)
- Yellow (45%)
- Black (4%)




- Cyan (4%)
- Magenta (83%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4057, 22.6543, 24.3280 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 42.4057, 22.6543, 24.3280 by changing the saturation by 10% instead.





 42.4057, 22.6543,  
24.3280


 42.4057, 22.6543,  
24.3280

347.1251,  
265.9444, 287.8144


 29.6116, 14.3385,  
15.3627


 78.0746, 47.8251,  
51.5154


 19.6906, 8.3564,  
8.9249


 101.6801, 65.4488,  
70.5746


 12.2773, 4.3239,  
4.5961


 129.6201, 86.9439,  
93.8355

 7.0063, 1.8563,  
1.9577

 162.2599,  
112.6948, 121.7166

 3.5124, 0.5219,  
0.5291

 199.9650,  
143.0859, 154.6366

 1.4302, 0.0000,  
0.0000

243.1006,

 0.2776, 0.0000,

178.5016, 193.0138

0.0000

292.0322,  
219.3263, 237.2669

■ 0.0000, 0.0000,  
0.0000

■ 42.4057, 22.6543,  
24.3280

■ 42.4057, 22.6543,  
24.3280

■ 40.8959, 21.0305,  
19.5223

■ 44.5657, 25.3875,  
29.9402


■ 40.0814, 20.3424,  
16.3503


■ 47.4605, 29.3923,  
36.4075


■ 51.1630, 34.8080,  
43.7746


■ 55.7361, 41.7542,  
52.0813

■ 61.2363, 50.3379,  
61.3650

 67.7149, 60.6562,  
71.6602

 75.2196, 72.7986,  
82.9998

 83.7946, 86.8487,  
95.4148

 91.0028, 97.9269,  
108.1087

# Harmonies

## Analogous

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



39.1402, 22.6543, 55.8154



42.4057, 22.6543, 24.3280



38.9635, 22.6543, 7.7283

# Triad

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



42.4057, 22.6543, 24.3280



14.2611, 22.6543, 2.3011



14.4180, 22.6543, 92.0449

# Complementary

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



42.4057, 22.6543, 24.3280



39.1818, 67.5488, 41.5528

# 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.



10.2738, 22.6543, 56.8373



42.4057, 22.6543, 24.3280



10.2015, 22.6543, 8.0033

# Square

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



42.4057, 22.6543, 24.3280



21.4136, 22.6543, 1.2127



8.9586, 22.6543, 25.0085



21.6513, 22.6543, 107.5462



# Rectangle

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



42.4057, 22.6543, 24.3280



33.7414, 22.6543, 3.3036



8.9586, 22.6543, 25.0085



12.6933, 22.6543, 81.3280

# Sweetspot

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



42.4063, 22.6556, 24.3284



72.8161, 63.7870, 76.0399



30.4361, 15.0875, 86.8956



15.0413, 12.7854, 15.4132



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.



42.4063, 22.6556, 24.3284



44.3954, 22.5664, 18.4096



39.0207, 21.9600, 4.4694



16.8075, 16.6058, 18.7328



21.8607, 11.0877, 9.2409



1.9723, 0.9949, 1.0806



# Inverse Universe

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



42.4063, 22.6556, 24.3284



44.3954, 22.5664, 18.4096



46.7349, 65.8631, 95.8373



16.8075, 16.6058, 18.7328



21.8607, 11.0877, 9.2409

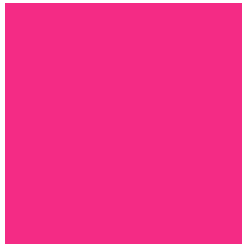


1.9723, 0.9949, 1.0806



# Previews

## White Background



This preview shows how the XYZ color 42.4057, 22.6543, 24.3280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

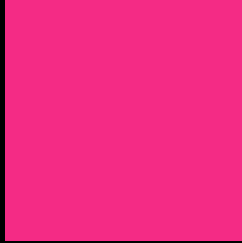
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4057, 22.6543, 24.3280 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 42.4057, 22.6543, 24.3280**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4057, 22.6543, 24.3280.



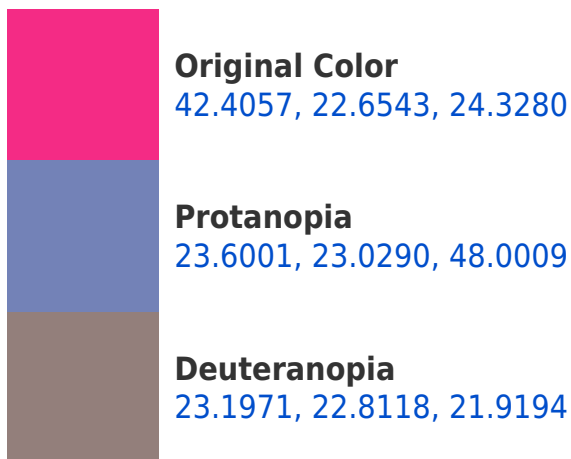
This preview shows how white text looks on a background with the XYZ color 42.4057, 22.6543,

24.3280.

# 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





## Tritanopia

38.7817, 22.5973, 7.6279

# Trichromacy



## Original Color

42.4057, 22.6543, 24.3280



## Protanomaly

26.0595, 19.1334, 37.9169



## Deuteranomaly

27.3050, 19.8431, 22.4696



## Tritanomaly

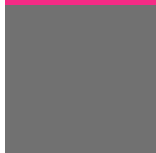
39.5781, 22.2844, 12.1129

# Monochromacy



## Original Color

42.4057, 22.6543, 24.3280



## Achromatopsia

15.6958, 16.5132, 17.9829



## Achromatomaly

21.5778, 15.9126, 19.7035

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4057, 22.6543, 24.3280 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(244, 43, 133)` looks like.

```
.text, #text, p{  
    color:rgb(244, 43, 133)  
}
```

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(244, 43, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 43, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4057, 22.6543, 24.3280 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(244, 43, 133) }
```



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

```
.border{ border-color:rgb(244, 43, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 43, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 43, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 43, 133);  
box-shadow:4px 4px 4px 4px rgb(244, 43,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4057, 22.6543, 24.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 43, 133) }
```

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

```
.background{ background-color: rgb(244, 43,  
133) }
```

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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