

# Converting Colors

XYZ(42.2603, 24.9262, 23.7587)

Have a look what the booklet for  
XYZ(42.2603, 24.9262, 23.7587)  
contains.

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# Color

**XYZ(42.4132, 25.0345,  
23.7158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F04A82
RGB	240, 74, 130
RGB Percent	94%, 29%, 51%
CMY	0.0588, 0.7098, 0.4902
CMYK	0.00, 0.69, 0.46, 0.06
HSL	340°, 85%, 62%
HSV	340°, 69%, 94%
XYZ	42.4132, 25.0345, 23.7158
YIQ	130.0180, 80.9600, 52.6080

# Conversions

## Conversions Part 2

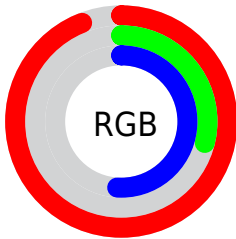
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	240, 74, 130
Decimal	15747714
CIE <sub>Lab</sub>	57.11, 66.96, 5.72
CIE <sub>LCh</sub>	57, 67.201, 4.879
Yxy	25.0345, 0.4652, 0.2746
Android (android.graphics.Color)	4293937794 (0xFFFF04A82)
YUV	130.0180, -0.0089, 96.4542
Hunter-Lab	50.0345, 63.7504, 6.9213

# Details

The XYZ color **42.4132, 25.0345, 23.7158** is a light color, and the websafe version is hex **FF6699**. The color can be described as light washed rose. A complement of this color would be **42.6376, 67.2374, 56.0836**, and the grayscale version is **21.2058, 22.3102, 24.2958**.

A 20% lighter version of the original color is **58.1748, 41.4540, 49.7350**, and **19.8453, 10.0591, 8.6802** is the 20% darker color. If you saturate the color by 10%, you get **40.1189, 22.0244, 18.0849**, and if you desaturate by 10%, it is **45.4847, 29.3349, 30.4203**.

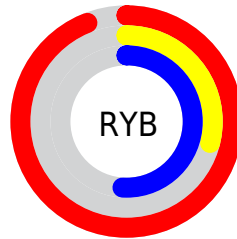
# Distribution



Red (94%)

Green (29%)

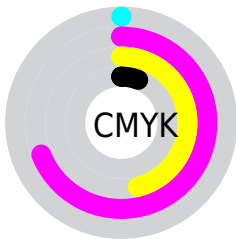
Blue (51%)



Red (94%)

Yellow (29%)

Blue (51%)

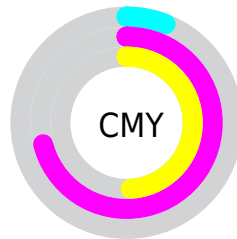


Cyan (0%)

Magenta (69%)

Yellow (46%)

Black (6%)



Cyan (6%)

Magenta (71%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4132, 25.0345, 23.7158 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 42.4132, 25.0345, 23.7158 by changing the saturation by 10% instead.





 42.4132, 25.0345,  
23.7158


 42.4132, 25.0345,  
23.7158


347.1555,  
278.0097, 284.6206


 29.6175, 16.1028,  
14.9127


 78.0859, 51.7132,  
50.5040


 19.6951, 9.5969,  
8.6122


 101.6935, 70.2289,  
69.3262


 12.2806, 5.1325,  
4.3958


 129.6359, 92.7081,  
92.3252

 7.0086, 2.3252,  
1.8449

 162.2783,  
119.5352, 119.9195

 3.5139, 0.7870,  
0.4573

 199.9861,  
151.0944, 152.5276

 1.4310, 0.0000,  
0.0000

243.1247,

 0.2781, 0.0000,

187.7704, 190.5682

0.0000

292.0594,  
229.9473, 234.4597

■ 0.0000, 0.0000,  
0.0000

■ 42.4132, 25.0345,  
23.7158

■ 42.4132, 25.0345,  
23.7158

■ 40.1189, 22.0244,  
18.0849

■ 45.4847, 29.3349,  
30.4203

■ 38.5184, 20.1499,  
13.4619

■ 49.4006, 35.0487,  
38.2551


■ 37.4908, 19.1824,  
9.7666


■ 54.2228, 42.2891,  
47.2739


■ 37.4186, 19.1186,  
9.4937

■ 60.0066, 51.1565,  
57.5261

■ 66.8027, 61.7428,  
69.0584

 74.6582, 74.1330,  
81.9146

 83.6171, 88.4063,  
96.1364

 89.7451, 97.2652,  
108.6517

# Harmonies

## Analogous

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



40.4100, 25.0345, 50.2714



42.4132, 25.0345, 23.7158



38.5948, 25.0345, 9.1558

# Triad

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



42.4132, 25.0345, 23.7158



16.1079, 25.0345, 4.8550



17.8995, 25.0345, 88.8512

# Complementary

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



42.4132, 25.0345, 23.7158



42.6376, 67.2374, 56.0836

# 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.



13.3637, 25.0345, 60.5621



42.4132, 25.0345, 23.7158



12.5016, 25.0345, 12.6231

# Square

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



42.4132, 25.0345, 23.7158



22.5231, 25.0345, 2.8084



11.6215, 25.0345, 31.1371



25.1129, 25.0345, 97.8576



# Rectangle

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



42.4132, 25.0345, 23.7158



33.6706, 25.0345, 4.8885



11.6215, 25.0345, 31.1371



16.0673, 25.0345, 80.7283

# Sweetspot

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



42.4139, 25.0359, 23.7162



75.0855, 68.3849, 76.6147



37.4462, 21.1235, 84.5415



15.5970, 13.8965, 15.5989



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.



42.4139, 25.0359, 23.7162



45.1963, 24.2452, 18.4396



41.6247, 27.9262, 9.6768



15.9928, 15.8468, 17.5181



20.5391, 10.4881, 5.4893



1.7534, 0.8904, 0.6921



# Inverse Universe

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



42.4139, 25.0359, 23.7162



45.1963, 24.2452, 18.4396



42.8792, 56.4000, 91.0642



15.9928, 15.8468, 17.5181



20.5391, 10.4881, 5.4893



1.7534, 0.8904, 0.6921



# Previews

## White Background



This preview shows how the XYZ color 42.4132, 25.0345, 23.7158 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

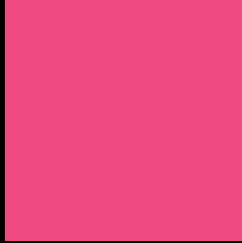
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.4132, 25.0345, 23.7158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

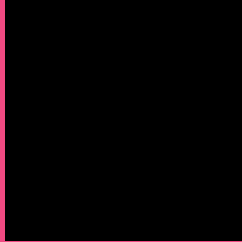
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 42.4132, 25.0345, 23.7158**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.4132, 25.0345, 23.7158.



This preview shows how white text looks on a background with the XYZ color 42.4132, 25.0345,



# 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

42.4132, 25.0345, 23.7158

### Protanopia

25.0472, 25.1868, 39.6178

### Deuteranopia

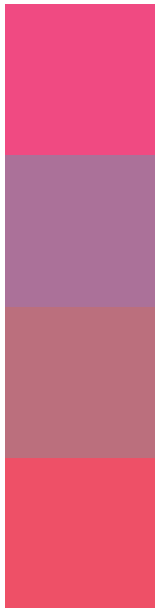
25.4744, 24.9756, 21.8905



## Tritanopia

39.7798, 24.8956, 11.9412

# Trichromacy



## Original Color

42.4132, 25.0345, 23.7158

## Protanomaly

28.4495, 22.7681, 33.0322

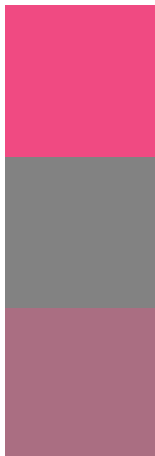
## Deuteranomaly

29.8796, 23.4143, 22.3466

## Tritanomaly

40.5767, 24.8937, 15.4983

# Monochromacy



## Original Color

42.4132, 25.0345, 23.7158

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

26.1828, 21.3096, 23.8523

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.4132, 25.0345, 23.7158 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(240, 74, 130)` looks like.

```
.text, #text, p{  
    color:rgb(240, 74, 130)  
}
```

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(240, 74, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 74, 130) }
```

## Border

The CSS property to change the border of an element to XYZ 42.4132, 25.0345, 23.7158 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(240, 74, 130) }
```



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

```
.border{ border-color:rgb(240, 74, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 74, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 74, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 74, 130);  
box-shadow:4px 4px 4px 4px rgb(240, 74,  
130) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.4132, 25.0345, 23.7158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 74, 130) }
```

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

```
.background{ background-color: rgb(240, 74,  
130) }
```

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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