

# Converting Colors

XYZ(42.4195, 25.2713, 19.1476)

Have a look what the booklet for  
XYZ(42.4195, 25.2713, 19.1476)  
contains.

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# Color

**XYZ(42.2864, 25.1704,  
19.1526)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F24B74
RGB	242, 75, 116
RGB Percent	95%, 29%, 45%
CMY	0.0510, 0.7058, 0.5451
CMYK	0.00, 0.69, 0.52, 0.05
HSL	345°, 87%, 62%
HSV	345°, 69%, 95%
XYZ	42.2864, 25.1704, 19.1526
YIQ	129.6070, 86.3710, 48.1550

# Conversions

## Conversions Part 2

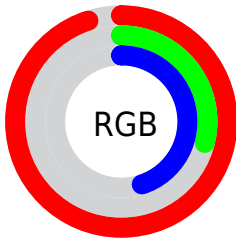
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 75, 116
Decimal	15879028
CIE Lab	57.24, 66.01, 14.22
CIE LCh	57, 67.521, 12.155
Yxy	25.1704, 0.4882, 0.2906
Android (android.graphics.Color)	4294069108 (0xFFFF24B74)
YUV	129.6070, -6.7083, 98.5687
Hunter-Lab	50.1701, 62.6529, 12.4849

# Details

The XYZ color **42.2864, 25.1704, 19.1526** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle washed rose. A complement of this color would be **45.1984, 69.2178, 66.2430**, and the grayscale version is **21.0825, 22.1805, 24.1545**.

A 20% lighter version of the original color is **56.8330, 41.1373, 41.9907**, and **19.8658, 10.1207, 6.3753** is the 20% darker color. If you saturate the color by 10%, you get **39.9858, 22.1053, 13.6504**, and if you desaturate by 10%, it is **45.4209, 29.5694, 25.9631**.

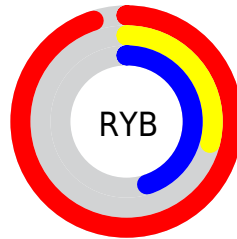
# Distribution



Red (95%)

Green (29%)

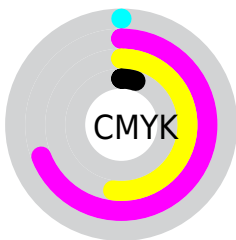
Blue (45%)



Red (95%)

Yellow (29%)

Blue (45%)

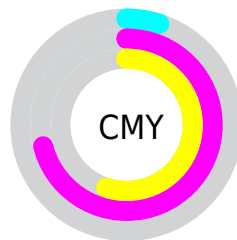


Cyan (0%)

Magenta (69%)

Yellow (52%)

Black (5%)



Cyan (5%)

Magenta (71%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2864, 25.1704, 19.1526 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 42.2864, 25.1704, 19.1526 by changing the saturation by 10% instead.




 42.2864, 25.1704,  
19.1526


 42.2864, 25.1704,  
19.1526


346.6403,  
278.6855, 259.7407

 29.5177, 16.2041,  
11.6027

 77.8953, 51.9335,  
42.8319


 19.6191, 9.6687,  
6.3545


 101.4663, 70.4991,  
59.7984

 12.2251, 5.1798,  
2.9896


 129.3687, 93.0332,  
80.7408

 6.9705, 2.3532,  
1.0893

 161.9680,  
119.9202, 106.0777

 3.4898, 0.8016,  
0.0000

 199.6294,  
151.5446, 136.2276

 1.4178, 0.0000,  
0.0000

242.7183,

 0.2688, 0.0000,

188.2906, 171.6090

0.0000

291.6002,  
230.5428, 212.6405

■ 0.0000, 0.0000,  
0.0000

■ 42.2864, 25.1704,  
19.1526

■ 42.2864, 25.1704,  
19.1526

■ 39.9858, 22.1053,  
13.6504

■ 45.4209, 29.5694,  
25.9631

■ 38.4297, 20.2149,  
9.3656

■ 49.4621, 35.4294,  
34.1612


■ 37.4922, 19.2688,  
6.1894


■ 54.4765, 42.8671,  
43.8211


■ 37.4176, 19.1971,  
5.9258

■ 60.5240, 51.9862,  
55.0111

■ 67.6594, 62.8817,  
67.7950

 75.9335, 75.6413,  
82.2330

 85.3940, 90.3468,  
98.3820

 90.4278, 97.6172,  
108.6837

# Harmonies

## Analogous

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



41.7125, 25.1704, 43.2063



42.2864, 25.1704, 19.1526



37.2032, 25.1704, 7.2228

# Triad

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



42.2864, 25.1704, 19.1526



15.0294, 25.1704, 6.0272



19.5213, 25.1704, 94.1673

# Complementary

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



42.2864, 25.1704, 19.1526



45.1984, 69.2178, 66.2430

# 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.



14.2529, 25.1704, 68.7663



42.2864, 25.1704, 19.1526



12.0847, 25.1704, 16.0212

# Square

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



42.2864, 25.1704, 19.1526



20.8349, 25.1704, 2.9797



11.8363, 25.1704, 37.7444



27.3037, 25.1704, 96.7625



# Rectangle

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



42.2864, 25.1704, 19.1526



31.8337, 25.1704, 4.0160



11.8363, 25.1704, 37.7444



17.4462, 25.1704, 87.5539

# Sweetspot

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



42.2870, 25.1718, 19.1530



74.4454, 68.1289, 73.2436



42.4307, 23.7586, 86.3535



15.4466, 13.8363, 14.8070



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.



42.2870, 25.1718, 19.1530



44.1960, 23.8450, 13.1717



44.2213, 32.0517, 10.5145



15.9319, 15.8225, 17.1976



20.1464, 10.3310, 3.4216



1.7142, 0.8747, 0.4858



# Inverse Universe

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



42.2870, 25.1718, 19.1530



44.1960, 23.8450, 13.1717



39.6423, 49.3327, 91.4368



15.9319, 15.8225, 17.1976



20.1464, 10.3310, 3.4216



1.7142, 0.8747, 0.4858



# Previews

## White Background



This preview shows how the XYZ color 42.2864, 25.1704, 19.1526 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 42.2864, 25.1704, 19.1526 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 42.2864, 25.1704, 19.1526**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2864, 25.1704, 19.1526.



This preview shows how white text looks on a background with the XYZ color 42.2864, 25.1704,



# 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

42.2864, 25.1704, 19.1526

### Protanopia

24.6075, 25.3478, 31.6126

### Deuteranopia

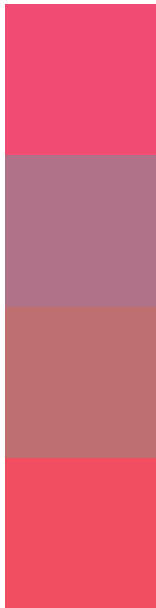
25.6560, 25.1623, 17.6920



## Tritanopia

40.5573, 25.0820, 11.5078

# Trichromacy



## Original Color

42.2864, 25.1704, 19.1526

## Protanomaly

28.1404, 22.9262, 26.2346

## Deuteranomaly

29.7889, 23.4637, 17.9978

## Tritanomaly

41.2293, 25.1558, 13.9918

# Monochromacy



## Original Color

42.2864, 25.1704, 19.1526

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

26.0722, 21.2905, 22.1374

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2864, 25.1704, 19.1526 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(242, 75, 116)` looks like.

```
.text, #text, p{  
    color:rgb(242, 75, 116)  
}
```

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(242, 75, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 75, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2864, 25.1704, 19.1526 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(242, 75, 116) }
```



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

```
.border{ border-color:rgb(242, 75, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 75, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 75, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 75, 116);  
box-shadow:4px 4px 4px 4px rgb(242, 75,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2864, 25.1704, 19.1526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 75, 116) }
```

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

```
.background{ background-color: rgb(242, 75,  
116) }
```

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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