

Converting Colors

XYZ(42.7316, 25.2419, 21.8241)

Have a look what the booklet for
XYZ(42.7316, 25.2419, 21.8241)
contains.

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Color

**XYZ(42.7048, 25.2300,
21.6879)**

Conversions

Conversions Part 1

Format	Color
Hex	F24A7C
RGB	242, 74, 124
RGB Percent	95%, 29%, 49%
CMY	0.0510, 0.7098, 0.5137
CMYK	0.00, 0.69, 0.49, 0.05
HSL	342°, 87%, 62%
HSV	342°, 69%, 95%
XYZ	42.7048, 25.2300, 21.6879
YIQ	129.9320, 84.0780, 51.1660

Conversions

Conversions Part 2

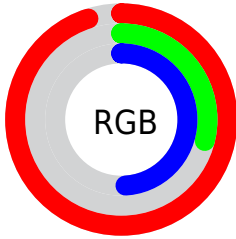
Format	Color
R_{YB}	242, 74, 124
Decimal	15878780
CIE _{Lab}	57.30, 67.01, 9.58
CIE _{LCh}	57, 67.694, 8.132
Yxy	25.2300, 0.4765, 0.2815
Android (android.graphics.Color)	4294068860 (0xFFFF24A7C)
YUV	129.9320, -2.9245, 98.2836
Hunter-Lab	50.2295, 63.8581, 9.5606

Details

The XYZ color **42.7048, 25.2300, 21.6879** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle washed rose. A complement of this color would be **44.0924, 68.7665, 60.8241**, and the grayscale version is **21.1847, 22.2879, 24.2716**.

A 20% lighter version of the original color is **57.4640, 41.1696, 45.9921**, and **20.1269, 10.2251, 7.7503** is the 20% darker color. If you saturate the color by 10%, you get **40.4043, 22.2038, 16.0667**, and if you desaturate by 10%, it is **45.8129, 29.5751, 28.4929**.

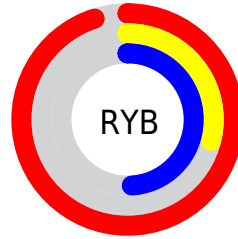
Distribution



Red (95%)

Green (29%)

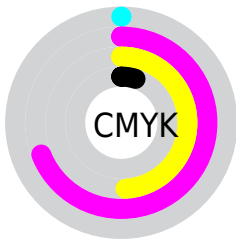
Blue (49%)



Red (95%)

Yellow (29%)

Blue (49%)

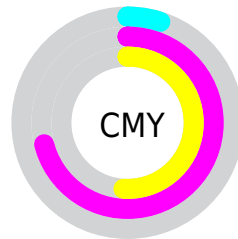


Cyan (0%)

Magenta (69%)

Yellow (49%)

Black (5%)



Cyan (5%)


Magenta (71%)


Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7048, 25.2300, 21.6879 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 42.7048, 25.2300, 21.6879 by changing the saturation by 10% instead.

 42.7048, 25.2300,
21.6879


 42.7048, 25.2300,
21.6879


348.3385,
278.9814, 273.8122


 29.8471, 16.2485,
13.4316


 78.5237, 52.0301,
47.1252


 19.8700, 9.7002,
7.5922


 102.2156, 70.6175,
65.1433


 12.4083, 5.2006,
3.7511


 130.2496, 93.1756,
87.2524

 7.0966, 2.3654,
1.4898

 162.9910,
120.0889, 113.8711

 3.5694, 0.8080,
0.2103

 200.8053,
151.7418, 145.4178

 1.4616, 0.0000,
0.0000

244.0577,

 0.2995, 0.0000,

188.5185, 182.3112

0.0000

293.1136,
230.8036, 224.9699

■ 0.0000, 0.0000,
0.0000

■ 42.7048, 25.2300,
21.6879

■ 42.7048, 25.2300,
21.6879

■ 40.4043, 22.2038,
16.0667

■ 45.8129, 29.5751,
28.4929

■ 38.8243, 20.3371,
11.5528

■ 49.7993, 35.3658,
36.5483


■ 37.8359, 19.3889,
8.0524


■ 54.7286, 42.7187,
45.9166


■ 37.7880, 19.3452,
7.8756

■ 60.6588, 51.7370,
56.6554

■ 67.6431, 62.5152,
68.8188

 75.7307, 75.1406,
82.4579

 84.9676, 89.6948,
97.6211

 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.



41.3183, 25.2300, 47.4124



42.7048, 25.2300, 21.6879



38.2631, 25.2300, 8.2346

Triad

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



42.7048, 25.2300, 21.6879



15.6662, 25.2300, 5.3230



18.6851, 25.2300, 92.1797

Complementary

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



42.7048, 25.2300, 21.6879



44.0924, 68.7665, 60.8241

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.



13.7844, 25.2300, 64.7392



42.7048, 25.2300, 21.6879



12.3313, 25.2300, 14.0910

Square

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



42.7048, 25.2300, 21.6879



21.8654, 25.2300, 2.8474



11.7290, 25.2300, 34.2007



26.2275, 25.2300, 98.4409

Rectangle

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



42.7048, 25.2300, 21.6879



33.0737, 25.2300, 4.4492



11.7290, 25.2300, 34.2007



16.7282, 25.2300, 84.6029

Sweetspot

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



42.7055, 25.2314, 21.6883



74.8063, 68.2732, 75.1441



40.1143, 22.4645, 86.2260



15.5313, 13.8702, 15.2530



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.



42.7055, 25.2314, 21.6883



44.7355, 24.0609, 16.0129



43.1756, 30.0145, 9.9982



15.9663, 15.8362, 17.3790



20.3524, 10.4134, 4.5061



1.7353, 0.8832, 0.5969

Inverse Universe

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



42.7055, 25.2314, 21.6883



44.7355, 24.0609, 16.0129



41.5058, 53.1750, 92.0804



15.9663, 15.8362, 17.3790



20.3524, 10.4134, 4.5061



1.7353, 0.8832, 0.5969

Previews

White Background



This preview shows how the XYZ color 42.7048, 25.2300, 21.6879 looks on a white background.

Color Contrast Check

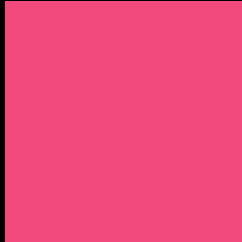
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.7048, 25.2300, 21.6879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

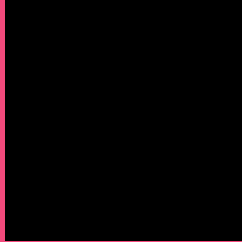
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.7048, 25.2300, 21.6879

Background



This preview shows how black text looks on a background with the XYZ color 42.7048, 25.2300, 21.6879.



This preview shows how white text looks on a background with the XYZ color 42.7048, 25.2300,

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

42.7048, 25.2300, 21.6879

Protanopia

25.0352, 25.4629, 36.3962

Deuteranopia

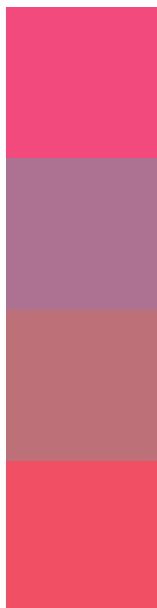
25.8380, 25.4069, 20.0652



Tritanopia

40.6728, 25.2480, 11.7465

Trichromacy



Original Color

42.7048, 25.2300, 21.6879

Protanomaly

28.4392, 22.9942, 30.1335

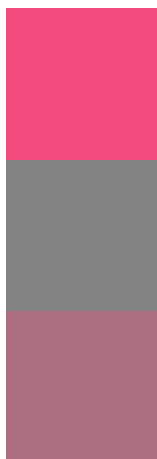
Deuteranomaly

30.1102, 23.7391, 20.4479

Tritanomaly

41.3719, 25.2128, 14.7426

Monochromacy



Original Color

42.7048, 25.2300, 21.6879

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

26.2668, 21.3683, 23.1622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7048, 25.2300, 21.6879 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, 74, 124)` looks like.

```
.text, #text, p{  
    color:rgb(242, 74, 124)  
}
```

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, 74, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 74, 124) }
```

Border

The CSS property to change the border of an element to XYZ 42.7048, 25.2300, 21.6879 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, 74, 124) }
```


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

```
.border{ border-color:rgb(242, 74, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 74, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 74, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 74, 124);  
box-shadow:4px 4px 4px 4px rgb(242, 74,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7048, 25.2300, 21.6879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 74, 124) }
```

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

```
.background{ background-color: rgb(242, 74,  
124) }
```

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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