

Converting Colors

XYZ(42.0684, 21.0056, 42.0336)

Have a look what the booklet for
XYZ(42.0684, 21.0056, 42.0336)
contains.

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Color

**XYZ(42.0449, 21.0060,
41.8830)**

Conversions

Conversions Part 1

Format	Color
Hex	EB0DAE
RGB	235, 13, 174
RGB Percent	92%, 5%, 68%
CMY	0.0784, 0.9489, 0.3176
CMYK	0.00, 0.94, 0.26, 0.08
HSL	316°, 89%, 49%
HSV	316°, 94%, 92%
XYZ	42.0449, 21.0060, 41.8830
YIQ	97.7320, 80.6310, 97.1350

Conversions

Conversions Part 2

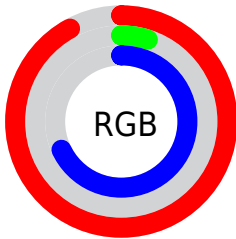
Format	Color
R _Y B	235, 13, 174
Decimal	15404462
CIE Lab	52.96, 83.75, -26.56
CIE LCh	53, 87.861, 342.402
Yxy	21.0060, 0.4007, 0.2002
Android (android.graphics.Color)	4293594542 (0xFFEB0DAE)
YUV	97.7320, 37.6001, 120.3840
Hunter-Lab	45.8323, 83.5429, -22.0985

Details

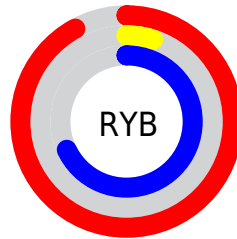
The XYZ color **42.0449, 21.0060, 41.8830** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **31.1124, 59.9978, 16.4266**, and the grayscale version is **11.4443, 12.0403, 13.1118**.

A 20% lighter version of the original color is **60.0801, 36.0875, 78.6619**, and **20.9067, 10.3791, 18.9906** is the 20% darker color. If you saturate the color by 10%, you get **41.5563, 20.5803, 40.0194**, and if you desaturate by 10%, it is **43.1935, 22.2710, 45.4477**.

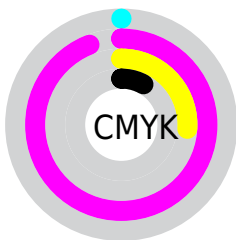
Distribution



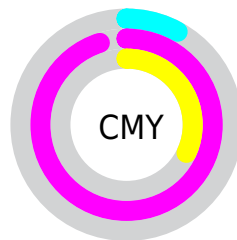
- Red (92%)
- Green (5%)
- Blue (68%)



- Red (92%)
- Yellow (5%)
- Blue (68%)



- Cyan (0%)
- Magenta (94%)
- Yellow (26%)
- Black (8%)





- Cyan (8%)
- Magenta (95%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0449, 21.0060, 41.8830 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 42.0449, 21.0060, 41.8830 by changing the saturation by 10% instead.


 42.0449, 21.0060,
41.8830


 42.0449, 21.0060,
41.8830


345.6575,
257.3104, 369.7830

 29.3277, 13.1284,
28.6848


 77.5323, 45.0975,
79.2907


 19.4744, 7.5170,
18.5990


 101.0332, 62.0802,
104.3373


 12.1196, 3.7875,
11.2070


 128.8595, 82.8667,
134.1704

 6.8980, 1.5554,
6.0903

 161.3764,
107.8415, 169.2086

 3.4441, 0.3273,
2.8304

 198.9492,
137.3888, 209.8704

 1.3927, 0.0000,
1.0087

241.9435,

 0.2511, 0.0000,

171.8931, 256.5744

0.0000

290.7245,
211.7389, 309.7391

■ 0.0000, 0.0000,
0.0000

■ 42.0449, 21.0060,
41.8830

■ 42.0449, 21.0060,
41.8830

■ 41.5563, 20.5803,
40.0194

■ 43.1935, 22.2710,
45.4477

■ 44.8399, 24.4825,
49.3295

■ 47.0635, 27.7988,
53.5572

■ 49.9289, 32.3484,
58.1542

■ 53.4919, 38.2420,
63.1410

■ 57.8020, 45.5782,
68.5360

■ 62.9039, 54.4459,
74.3559

■ 68.8390, 64.9271,
80.6164

■ 75.6456, 77.0978,
87.3321

Harmonies

Analogous

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



34.4432, 21.0060, 84.4667



42.0449, 21.0060, 41.8830



42.7311, 21.0060, 13.6183

Triad

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



42.0449, 21.0060, 41.8830



16.3992, 21.0060, 0.3840



9.5374, 21.0060, 76.9367

Complementary

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



42.0449, 21.0060, 41.8830



31.1124, 59.9978, 16.4266

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.



7.1850, 21.0060, 35.5827



42.0449, 21.0060, 41.8830



10.2479, 21.0060, 2.1444

Square

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



42.0449, 21.0060, 41.8830



25.8112, 21.0060, 0.5281



7.3972, 21.0060, 10.7115



15.0767, 21.0060, 113.2503

Rectangle

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



42.0449, 21.0060, 41.8830



38.9561, 21.0060, 5.0396



7.3972, 21.0060, 10.7115



8.4371, 21.0060, 62.2252

Sweetspot

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



42.0456, 21.0071, 41.8834



73.3475, 61.3950, 86.8682



17.8295, 7.6736, 79.1391



15.1374, 12.1658, 17.9475



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.



42.0456, 21.0071, 41.8834



49.9885, 24.7594, 47.9990



35.3548, 18.3308, 6.6501



15.5279, 15.2390, 18.0654



23.1844, 11.4765, 22.5703



1.8607, 0.9173, 1.9840

Inverse Universe

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



42.0456, 21.0071, 41.8834



49.9885, 24.7594, 47.9990



38.4441, 62.9305, 55.0348



15.5279, 15.2390, 18.0654



23.1844, 11.4765, 22.5703



1.8607, 0.9173, 1.9840

Previews

White Background



This preview shows how the XYZ color 42.0449, 21.0060, 41.8830 looks on a white background.

Color Contrast Check

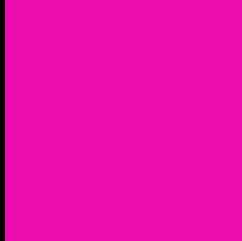
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.0449, 21.0060, 41.8830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

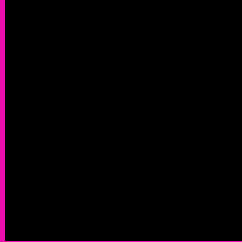
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.0449, 21.0060, 41.8830

Background



This preview shows how black text looks on a background with the XYZ color 42.0449, 21.0060, 41.8830.



This preview shows how white text looks on a background with the XYZ color 42.0449, 21.0060,

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

42.0449, 21.0060, 41.8830

Protanopia

25.4470, 21.6935, 90.8418

Deuteranopia

21.8296, 21.3765, 37.6259



Tritanopia

35.0093, 21.0682, 8.5247

Trichromacy



Original Color

42.0449, 21.0060, 41.8830



Protanomaly

23.7573, 15.3469, 69.4202



Deuteranomaly

25.0457, 16.8121, 38.4842



Tritanomaly

36.5459, 20.1454, 16.7141

Monochromacy



Original Color

42.0449, 21.0060, 41.8830



Achromatopsia

11.6093, 12.2139, 13.3009



Achromatomaly

17.9858, 11.8166, 21.0715

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0449, 21.0060, 41.8830 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(235, 13, 174)` looks like.

```
.text, #text, p{  
    color:rgb(235, 13, 174)  
}
```

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(235, 13, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 13, 174) }
```

Border

The CSS property to change the border of an element to XYZ 42.0449, 21.0060, 41.8830 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(235, 13, 174) }
```


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

```
.border{ border-color:rgb(235, 13, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 13, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 13, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 13, 174);  
box-shadow:4px 4px 4px 4px rgb(235, 13,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0449, 21.0060, 41.8830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 13, 174) }
```

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

```
.background{ background-color: rgb(235, 13,  
174) }
```

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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