

Converting Colors

XYZ(48.9875, 35.1806, 42.5421)

Have a look what the booklet for
XYZ(48.9875, 35.1806, 42.5421)
contains.

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Color

**XYZ(48.8193, 35.0177,
42.7141)**

Conversions

Conversions Part 1

Format	Color
Hex	EB7CAB
RGB	235, 124, 171
RGB Percent	92%, 49%, 67%
CMY	0.0784, 0.5137, 0.3294
CMYK	0.00, 0.47, 0.27, 0.08
HSL	335°, 74%, 70%
HSV	335°, 47%, 92%
XYZ	48.8193, 35.0177, 42.7141
YIQ	162.5470, 51.0690, 38.1490

Conversions

Conversions Part 2

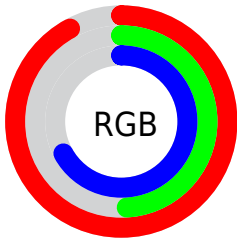
Format	Color
R _Y B	235, 124, 171
Decimal	15432875
CIE Lab	65.76, 48.00, -5.44
CIE LCh	66, 48.308, 353.535
Yxy	35.0177, 0.3858, 0.2767
Android (android.graphics.Color)	4293622955 (0xFFEB7CAB)
YUV	162.5470, 4.1673, 63.5413
Hunter-Lab	59.1758, 43.7028, -1.3735

Details

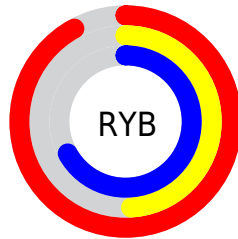
The XYZ color **48.8193, 35.0177, 42.7141** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **47.0993, 67.3336, 58.0946**, and the grayscale version is **34.5645, 36.3646, 39.6010**.

A 20% lighter version of the original color is **71.0876, 58.9912, 79.5912**, and **23.7145, 15.1855, 19.1340** is the 20% darker color. If you saturate the color by 10%, you get **44.9913, 29.3237, 35.3891**, and if you desaturate by 10%, it is **53.4833, 42.1713, 50.9718**.

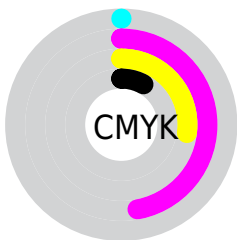
Distribution



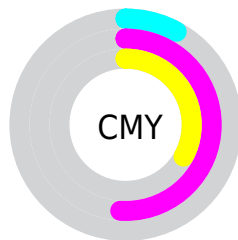
- Red (92%)
- Green (49%)
- Blue (67%)



- Red (92%)
- Yellow (49%)
- Blue (67%)



- Cyan (0%)
- Magenta (47%)
- Yellow (27%)
- Black (8%)





- Cyan (8%)
- Magenta (51%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.8193, 35.0177, 42.7141 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 48.8193, 35.0177, 42.7141 by changing the saturation by 10% instead.

 48.8193, 35.0177,
42.7141


 48.8193, 35.0177,
42.7141

372.5593,
324.6465, 373.3213


 34.6901, 23.6765,
29.3311


 87.6254, 67.5132,
80.5610

 23.5896, 15.0938,
19.0837


 113.0329, 89.4363,
105.8619

 15.1526, 8.8853,
11.5534


 142.9307,
115.6554, 135.9727

 9.0136, 4.6664,
6.3215

177.6839,
146.5551, 171.3117

 4.8072, 2.0529,
2.9696

217.6580,
182.5196, 212.2975

 2.1682, 0.6379,
1.0791

263.2184,

 0.7259, 0.0000,

223.9334, 259.3487

0.0000

314.7304,
271.1809, 312.8838

■ 0.0000, 0.0000,
0.0000

■ 48.8193, 35.0177,
42.7141

■ 48.8193, 35.0177,
42.7141

■ 44.9913, 29.3237,
35.3891

■ 53.4833, 42.1713,
50.9718

■ 41.9418, 24.9814,
28.9570

■ 59.0299, 50.8724,
60.1954

■ 39.6102, 21.8760,
23.3773

■ 65.5055, 61.2075,
70.4188

■ 37.9247, 19.8708,
18.6046

■ 72.9523, 73.2557,
81.6732

■ 36.7925, 18.7878,
14.5850

■ 81.4099, 87.0905,
93.9887

■ 36.5371, 18.5727,
13.5888

■ 87.6397, 96.2297,
106.3017

■ 88.0711, 96.4022,
108.5734

Harmonies

Analogous

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



45.5484, 35.0177, 66.4913



48.8193, 35.0177, 42.7141



47.4744, 35.0177, 24.5203

Triad

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



48.8193, 35.0177, 42.7141



28.1117, 35.0177, 12.2995



25.7936, 35.0177, 79.1377

Complementary

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



48.8193, 35.0177, 42.7141



47.0993, 67.3336, 58.0946

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.



22.2460, 35.0177, 56.0200



48.8193, 35.0177, 42.7141



23.4449, 35.0177, 19.2546

Square

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



48.8193, 35.0177, 42.7141



34.8482, 35.0177, 10.9367



21.4518, 35.0177, 33.8831



31.7659, 35.0177, 91.8440

Rectangle

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



48.8193, 35.0177, 42.7141



44.2241, 35.0177, 17.0005



21.4518, 35.0177, 33.8831



24.3144, 35.0177, 72.0020

Sweetspot

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



48.8203, 35.0194, 42.7148



81.5609, 78.0441, 88.9203



42.6737, 30.9676, 82.3258



17.0577, 16.0604, 18.4212



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.



48.8203, 35.0194, 42.7148



54.1471, 35.2840, 42.5800



46.0705, 35.4595, 23.4870



15.3301, 15.1599, 17.0236



20.3952, 10.3608, 7.8825



1.6487, 0.8324, 0.8673

Inverse Universe

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



48.8203, 35.0194, 42.7148



54.1471, 35.2840, 42.5800



50.9423, 65.5512, 88.5653



15.3301, 15.1599, 17.0236



20.3952, 10.3608, 7.8825



1.6487, 0.8324, 0.8673

Previews

White Background



This preview shows how the XYZ color 48.8193, 35.0177, 42.7141 looks on a white background.

Color Contrast Check

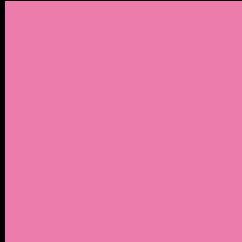
Large Text (above 18pt) WCAG AA × Fail

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 48.8193, 35.0177, 42.7141 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 ✓ Pass

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

XYZ 48.8193, 35.0177, 42.7141

Background



This preview shows how black text looks on a background with the XYZ color 48.8193, 35.0177, 42.7141.



This preview shows how white text looks on a background with the XYZ color 48.8193, 35.0177,

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

48.8193, 35.0177, 42.7141

Protanopia

35.1606, 35.4188, 55.4354

Deuteranopia

35.8379, 35.0801, 40.9587



Tritanopia

45.9215, 34.9851, 28.7586

Trichromacy



Original Color

48.8193, 35.0177, 42.7141

Protanomaly

38.5643, 34.1278, 50.4537

Deuteranomaly

39.8061, 34.5094, 41.6088

Tritanomaly

46.9094, 34.9963, 33.5607

Monochromacy



Original Color

48.8193, 35.0177, 42.7141

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

38.6166, 35.0669, 40.8097

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8193, 35.0177, 42.7141 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, 124, 171)` looks like.

```
.text, #text, p{  
    color:rgb(235, 124, 171)  
}
```

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, 124, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 124, 171) }
```

Border

The CSS property to change the border of an element to XYZ 48.8193, 35.0177, 42.7141 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, 124, 171) }
```


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

```
.border{ border-color:rgb(235, 124, 171) }
```

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

Here you see how a box with a 4 pixel rgb(235, 124, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 124, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 124, 171);  
box-shadow:4px 4px 4px 4px rgb(235, 124,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8193, 35.0177, 42.7141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 124, 171) }
```

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

```
.background{ background-color: rgb(235,  
124, 171) }
```

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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