

Converting Colors

XYZ(42.2674, 20.8495, 44.4532)

Have a look what the booklet for
XYZ(42.2674, 20.8495, 44.4532)
contains.

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Color

**XYZ(42.3976, 20.9168,
44.4506)**

Conversions

Conversions Part 1

Format	Color
Hex	EB00B3
RGB	235, 0, 179
RGB Percent	92%, 0%, 70%
CMY	0.0784, 0.9998, 0.2980
CMYK	0.00, 1.00, 0.24, 0.08
HSL	314°, 100%, 46%
HSV	314°, 100%, 92%
XYZ	42.3976, 20.9168, 44.4506
YIQ	90.6710, 82.6010, 105.4890

Conversions

Conversions Part 2

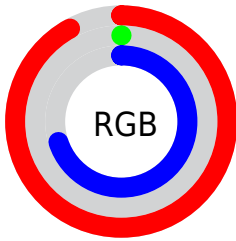
Format	Color
R_{YB}	235, 0, 179
Decimal	15401139
CIE _{Lab}	52.86, 85.23, -29.65
CIE _{LCh}	53, 90.241, 340.822
Yxy	20.9168, 0.3934, 0.1941
Android (android.graphics.Color)	4293591219 (0xFFEB00B3)
YUV	90.6710, 43.5462, 126.5765
Hunter-Lab	45.7349, 85.4387, -25.6106

Details

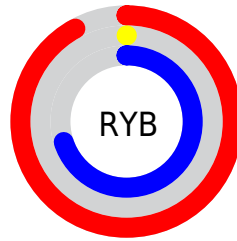
The XYZ color **42.3976, 20.9168, 44.4506** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **30.4240, 59.7031, 13.6676**, and the grayscale version is **9.7669, 10.2755, 11.1900**.

A 20% lighter version of the original color is **60.6031, 35.9935, 82.3506**, and **21.2215, 10.5050, 20.6478** is the 20% darker color. If you saturate the color by 10%, you get **42.3967, 20.9165, 44.4449**, and if you desaturate by 10%, it is **43.2934, 21.7829, 47.6014**.

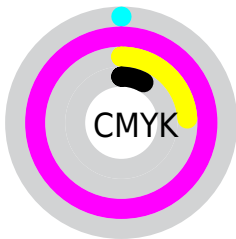
Distribution



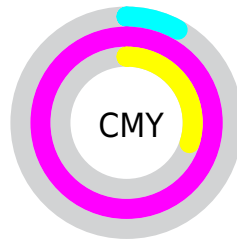
- Red (92%)
- Green (0%)
- Blue (70%)



- Red (92%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (8%)





- Cyan (8%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3976, 20.9168, 44.4506 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 42.3976, 20.9168, 44.4506 by changing the saturation by 10% instead.

 42.3976, 20.9168,
44.4506


 42.3976, 20.9168,
44.4506

347.0922,
256.8360, 380.6389

 29.6052, 13.0632,
30.6851


 78.0624, 44.9490,
83.2051


 19.6857, 7.4721,
20.1027


 101.6656, 61.8964,
109.0311

 12.2737, 3.7590,
12.2849


 129.6030, 82.6439,
139.7144

 7.0039, 1.5397,
6.8131

 162.2401,
107.5758, 175.6735

 3.5109, 0.3164,
3.2688

 199.9422,
137.0766, 217.3270

 1.4293, 0.0000,
1.2335

 243.0747,

 0.2770, 0.0000,

171.5306, 265.0934

0.0063

292.0029,
211.3223, 319.3912

■ 0.0000, 0.0000,
0.0000

■ 42.3976, 20.9168,
44.4506

■ 42.3976, 20.9168,
44.4506

■ 42.3967, 20.9165,
44.4449

■ 43.2934, 21.7829,
47.6014

■ 44.5959, 23.4255,
51.0025

■ 46.4270, 26.0878,
54.6959

■ 48.8582, 29.9120,
58.7068

■ 51.9494, 35.0178,
63.0563

■ 55.7532, 41.5098,
67.7632

■ 60.3167, 49.4820,
72.8445

■ 65.6829, 59.0200,
78.3155

■ 71.8916, 70.2028,
84.1908

Harmonies

Analogous

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



34.2472, 20.9168, 89.0171



42.3976, 20.9168, 44.4506



43.5409, 20.9168, 14.3495

Triad

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



42.3976, 20.9168, 44.4506



16.6668, 20.9168, 0.1747



9.0732, 20.9168, 76.3878

Complementary

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



42.3976, 20.9168, 44.4506



30.4240, 59.7031, 13.6676

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.



6.8590, 20.9168, 33.9833



42.3976, 20.9168, 44.4506



10.2265, 20.9168, 1.7457

Square

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



42.3976, 20.9168, 44.4506



26.4528, 20.9168, 0.4126



7.2010, 20.9168, 9.6195



14.4988, 20.9168, 115.4696

Rectangle

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



42.3976, 20.9168, 44.4506



39.8736, 20.9168, 5.1833



7.2010, 20.9168, 9.6195



8.0202, 20.9168, 61.0926

Sweetspot

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



42.3983, 20.9179, 44.4510



72.5120, 59.4009, 87.5859



16.5643, 6.8077, 79.0385



14.9993, 11.7990, 18.1812



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.



42.3983, 20.9179, 44.4510



51.0026, 25.1650, 53.3391



35.1504, 18.0188, 6.2842



15.5524, 15.2488, 18.1941



23.6478, 11.6618, 25.0106



1.8938, 0.9305, 2.1581

Inverse Universe

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



42.3983, 20.9179, 44.4510



51.0026, 25.1650, 53.3391



37.1887, 62.4090, 49.2902



15.5524, 15.2488, 18.1941



23.6478, 11.6618, 25.0106



1.8938, 0.9305, 2.1581

Previews

White Background



This preview shows how the XYZ color 42.3976, 20.9168, 44.4506 looks on a white background.

Color Contrast Check

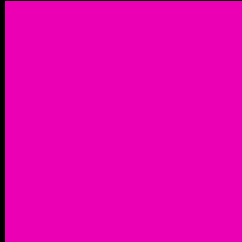
Large Text (above 18pt) WCAG AA ✓ Pass

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 42.3976, 20.9168, 44.4506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

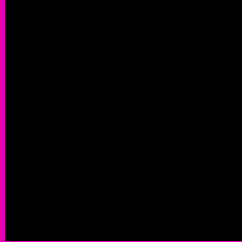
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 42.3976, 20.9168, 44.4506

Background



This preview shows how black text looks on a background with the XYZ color 42.3976, 20.9168, 44.4506.



This preview shows how white text looks on a background with the XYZ color 42.3976, 20.9168,

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

42.3976, 20.9168, 44.4506

Protanopia

25.9272, 21.8139, 96.6099

Deuteranopia

22.0000, 21.6004, 40.0556



Tritanopia

35.1678, 21.3318, 8.7425

Trichromacy



Original Color

42.3976, 20.9168, 44.4506



Protanomaly

23.2716, 14.4396, 74.2336



Deuteranomaly

25.0130, 16.2929, 40.8562



Tritanomaly

36.4961, 19.8696, 17.2409

Monochromacy



Original Color

42.3976, 20.9168, 44.4506



Achromatopsia

9.9438, 10.4616, 11.3927



Achromatomaly

16.4159, 10.2958, 19.8610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3976, 20.9168, 44.4506 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, 0, 179)` looks like.

```
.text, #text, p{  
    color:rgb(235, 0, 179)  
}
```

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, 0, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 0, 179) }
```

Border

The CSS property to change the border of an element to XYZ 42.3976, 20.9168, 44.4506 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, 0, 179) }
```


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

```
.border{ border-color:rgb(235, 0, 179) }
```

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

Here you see how a box with a 4 pixel rgb(235, 0, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 0, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 0, 179);  
box-shadow:4px 4px 4px 4px rgb(235, 0,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3976, 20.9168, 44.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 0, 179) }
```

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

```
.background{ background-color: rgb(235, 0,  
179) }
```

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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