

Converting Colors

XYZ(47.4743, 23.5399, 44.4227)

Have a look what the booklet for
XYZ(47.4743, 23.5399, 44.4227)
contains.

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Color

**XYZ(47.4602, 23.5383,
44.1614)**

Conversions

Conversions Part 1

Format	Color
Hex	FA00B2
RGB	250, 0, 178
RGB Percent	98%, 0%, 70%
CMY	0.0196, 0.9998, 0.3020
CMYK	0.00, 1.00, 0.29, 0.02
HSL	317°, 100%, 49%
HSV	317°, 100%, 98%
XYZ	47.4602, 23.5383, 44.1614
YIQ	95.0420, 91.8620, 108.3580

Conversions

Conversions Part 2

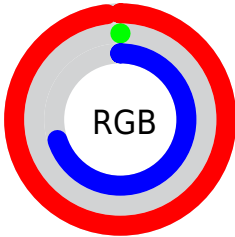
Format	Color
R _Y B	250, 0, 178
Decimal	16384178
CIE Lab	55.62, 87.96, -24.56
CIE LCh	56, 91.320, 344.401
Yxy	23.5383, 0.4121, 0.2044
Android (android.graphics.Color)	4294574258 (0xFFFA00B2)
YUV	95.0420, 40.8983, 135.8982
Hunter-Lab	48.5163, 89.7110, -20.0067

Details

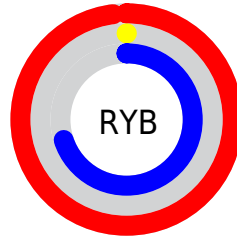
The XYZ color **47.4602, 23.5383, 44.1614** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **35.3578, 68.8403, 17.5642**, and the grayscale version is **10.7845, 11.3461, 12.3559**.

A 20% lighter version of the original color is **60.7450, 36.5079, 81.6870**, and **24.4407, 12.1720, 20.4633** is the 20% darker color. If you saturate the color by 10%, you get **47.4588, 23.5378, 44.1533**, and if you desaturate by 10%, it is **48.5515, 24.5330, 48.1872**.

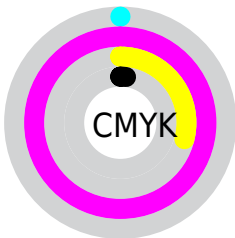
Distribution



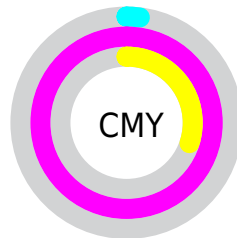
- Red (98%)
- Green (0%)
- Blue (70%)



- Red (98%)
- Yellow (0%)
- Blue (70%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4602, 23.5383, 44.1614 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 47.4602, 23.5383, 44.1614 by changing the saturation by 10% instead.


 47.4602, 23.5383,
44.1614

 47.4602, 23.5383,
44.1614


367.2668,
270.4779, 379.4271


 33.6091, 14.9915,
30.4593


 85.6147, 49.2757,
82.7656


 22.7549, 8.8134,
19.9325


 110.6488, 67.2351,
108.5048


 14.5323, 4.6197,
12.1624


 140.1413, 89.1008,
139.0934

 8.5760, 2.0259,
6.7305

 174.4575,
115.2572, 174.9501

 4.5206, 0.6224,
3.2182

 213.9628,
146.0888, 216.4932

 2.0006, 0.0000,
1.2071

259.0226,

 0.6343, 0.0000,

181.9798, 264.1414

0.0000

310.0021,
223.3147, 318.3132

■ 0.0000, 0.0000,
0.0000

■ 47.4602, 23.5383,
44.1614

■ 47.4602, 23.5383,
44.1614

■ 47.4588, 23.5378,
44.1533

■ 48.5515, 24.5330,
48.1872

■ 50.1266, 26.4336,
52.5641

■ 52.3234, 29.5153,
57.3412

■ 55.2257, 33.9444,
62.5488

■ 58.9036, 39.8606,
68.2131

■ 63.4186, 47.3858,
74.3571

■ 68.8258, 56.6296,
81.0016

■ 75.1755, 67.6916,
88.1659

■ 82.5141, 80.6639,
95.8679

Harmonies

Analogous

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



39.3367, 23.5383, 91.4971



47.4602, 23.5383, 44.1614



47.6379, 23.5383, 13.9297

Triad

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



47.4602, 23.5383, 44.1614



17.7892, 23.5383, 0.5209



10.9744, 23.5383, 89.5460

Complementary

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



47.4602, 23.5383, 44.1614



35.3578, 68.8403, 17.5642

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.



8.1260, 23.5383, 42.5302



47.4602, 23.5383, 44.1614



11.1581, 23.5383, 2.6889

Square

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



47.4602, 23.5383, 44.1614



28.1472, 23.5383, 0.5554



8.1809, 23.5383, 13.1782



17.4470, 23.5383, 128.6625

Rectangle

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



47.4602, 23.5383, 44.1614



43.0773, 23.5383, 5.0576



8.1809, 23.5383, 13.1782



9.6640, 23.5383, 73.0439

Sweetspot

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



47.4609, 23.5396, 44.1618



71.9628, 59.1812, 84.6935



19.8451, 8.2381, 90.9869



14.8674, 11.7462, 17.4863



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.



47.4609, 23.5396, 44.1618



49.6365, 24.6186, 46.1451



40.0958, 20.5935, 5.3775



17.7674, 17.4343, 20.6308



25.2389, 12.5113, 23.7645



2.3834, 1.1771, 2.4424

Inverse Universe

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



47.4609, 23.5396, 44.1618



49.6365, 24.6186, 46.1451



44.1326, 72.3502, 63.7713



17.7674, 17.4343, 20.6308



25.2389, 12.5113, 23.7645



2.3834, 1.1771, 2.4424

Previews

White Background



This preview shows how the XYZ color 47.4602, 23.5383, 44.1614 looks on a white background.

Color Contrast Check

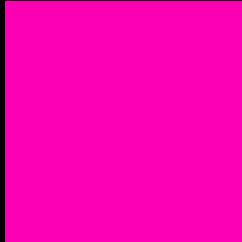
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.4602, 23.5383, 44.1614 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 47.4602, 23.5383, 44.1614

Background



This preview shows how black text looks on a background with the XYZ color 47.4602, 23.5383, 44.1614.



This preview shows how white text looks on a background with the XYZ color 47.4602, 23.5383,

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

47.4602, 23.5383, 44.1614

Protanopia

28.3896, 24.6173, 97.0213

Deuteranopia

24.4943, 24.0810, 39.4335



Tritanopia

40.3549, 23.9160, 8.7926

Trichromacy



Original Color

47.4602, 23.5383, 44.1614



Protanomaly

26.6522, 16.7458, 73.7790



Deuteranomaly

27.8816, 18.2416, 40.0817



Tritanomaly

41.8137, 22.6173, 17.2007

Monochromacy



Original Color

47.4602, 23.5383, 44.1614



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.0800, 11.2917, 20.6286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4602, 23.5383, 44.1614 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(250, 0, 178)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 178)  
}
```

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(250, 0, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 178) }
```

Border

The CSS property to change the border of an element to XYZ 47.4602, 23.5383, 44.1614 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(250, 0, 178) }
```


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

```
.border{ border-color:rgb(250, 0, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 0, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 178);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4602, 23.5383, 44.1614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 0, 178) }
```

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

```
.background{ background-color: rgb(250, 0,  
178) }
```

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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