

Converting Colors

XYZ(47.9652, 23.7362, 47.0073)

Have a look what the booklet for
XYZ(47.9652, 23.7362, 47.0073)
contains.

XYZ(47.9716, 23.7429, 46.8542)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.9716, 23.7429,
46.8542)**

Conversions

Conversions Part 1

Format	Color
Hex	FA00B7
RGB	250, 0, 183
RGB Percent	98%, 0%, 72%
CMY	0.0196, 0.9998, 0.2824
CMYK	0.00, 1.00, 0.27, 0.02
HSL	316°, 100%, 49%
HSV	316°, 100%, 98%
XYZ	47.9716, 23.7429, 46.8542
YIQ	95.6120, 90.2570, 109.9130

Conversions

Conversions Part 2

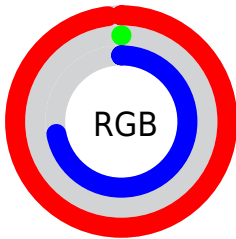
Format	Color
R_{YB}	250, 0, 183
Decimal	16384183
CIE _{Lab}	55.83, 88.48, -27.15
CIE _{LCh}	56, 92.556, 342.942
Yxy	23.7429, 0.4046, 0.2002
Android (android.graphics.Color)	4294574263 (0xFFFA00B7)
YUV	95.6120, 43.0823, 135.3983
Hunter-Lab	48.7267, 90.4622, -22.9029

Details

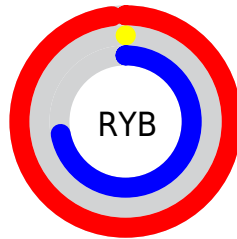
The XYZ color **47.9716, 23.7429, 46.8542** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle saturated rose. A complement of this color would be **35.2012, 68.7777, 16.7391**, and the grayscale version is **10.9162, 11.4847, 12.5068**.

A 20% lighter version of the original color is **61.4737, 36.7994, 85.5243**, and **24.7683, 12.3031, 22.1884** is the 20% darker color. If you saturate the color by 10%, you get **47.9702, 23.7424, 46.8462**, and if you desaturate by 10%, it is **49.0350, 24.7264, 50.7328**.

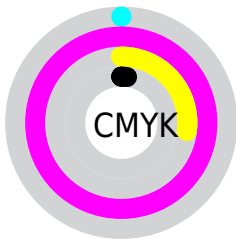
Distribution



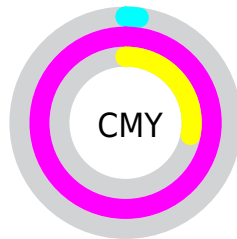
- Red (98%)
- Green (0%)
- Blue (72%)



- Red (98%)
- Yellow (0%)
- Blue (72%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9716, 23.7429, 46.8542 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 47.9716, 23.7429, 46.8542 by changing the saturation by 10% instead.


 47.9716, 23.7429,
46.8542

 47.9716, 23.7429,
46.8542


369.2640,
271.5181, 390.6092


 34.0156, 15.1430,
32.5669


 86.3721, 49.6103,
86.8436


 23.0685, 8.9198,
21.5265


 111.5472, 67.6467,
113.3829


 14.7651, 4.6889,
13.3144


 141.1927, 89.5972,
144.8431

 8.7399, 2.0659,
7.5121

 175.6740,
115.8465, 181.6430

 4.6277, 0.6454,
3.7011

 215.3565,
146.7788, 224.2010

 2.0630, 0.0000,
1.4629

260.6054,

 0.6690, 0.0000,

182.7786, 272.9357

0.1900

311.7861,
224.2302, 328.2655

■ 0.0000, 0.0000,
0.0000

■ 47.9716, 23.7429,
46.8542

■ 47.9716, 23.7429,
46.8542

■ 47.9702, 23.7424,
46.8462

■ 49.0350, 24.7264,
50.7328

■ 50.5773, 26.6140,
54.9369

■ 52.7364, 29.6806,
59.5149

■ 55.5958, 34.0927,
64.4967

■ 59.2257, 39.9897,
69.9078

■ 63.6873, 47.4937,
75.7706

■ 69.0358, 56.7141,
82.1056

■ 75.3213, 67.7505,
88.9315

■ 82.5900, 80.6950,
96.2655

Harmonies

Analogous

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



39.3533, 23.7429, 95.7296



47.9716, 23.7429, 46.8542



48.5962, 23.7429, 14.9221

Triad

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



47.9716, 23.7429, 46.8542



18.3308, 23.7429, 0.4232



10.7571, 23.7429, 88.8558

Complementary

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



47.9716, 23.7429, 46.8542



35.2012, 68.7777, 16.7391

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.



8.0310, 23.7429, 41.1276



47.9716, 23.7429, 46.8542



11.3965, 23.7429, 2.4017

Square

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



47.9716, 23.7429, 46.8542



29.0395, 23.7429, 0.5435



8.2214, 23.7429, 12.3046



17.1355, 23.7429, 130.2839

Rectangle

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



47.9716, 23.7429, 46.8542



44.1690, 23.7429, 5.4071



8.2214, 23.7429, 12.3046



9.4870, 23.7429, 71.9161

Sweetspot

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



47.9724, 23.7442, 46.8546



72.1824, 59.2690, 85.8497



19.5507, 8.0864, 90.9732



14.9201, 11.7673, 17.7638



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.



47.9724, 23.7442, 46.8546



50.1716, 24.8327, 48.9634



40.1984, 20.6346, 5.9176



17.7828, 17.4405, 20.7120



25.5079, 12.6189, 25.1805



2.4065, 1.1863, 2.5641

Inverse Universe

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



47.9724, 23.7442, 46.8546



50.1716, 24.8327, 48.9634



43.6654, 72.1634, 61.3110



17.7828, 17.4405, 20.7120



25.5079, 12.6189, 25.1805



2.4065, 1.1863, 2.5641

Previews

White Background



This preview shows how the XYZ color 47.9716, 23.7429, 46.8542 looks on a white background.

Color Contrast Check

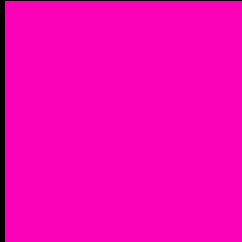
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.9716, 23.7429, 46.8542 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 47.9716, 23.7429, 46.8542

Background



This preview shows how black text looks on a background with the XYZ color 47.9716, 23.7429, 46.8542.



This preview shows how white text looks on a background with the XYZ color 47.9716, 23.7429,

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

47.9716, 23.7429, 46.8542

Protanopia

28.5502, 24.6815, 97.8670

Deuteranopia

24.7915, 24.3825, 41.9277



Tritanopia

40.2398, 24.0338, 9.3556

Trichromacy



Original Color

47.9716, 23.7429, 46.8542



Protanomaly

27.0676, 16.9120, 75.9665



Deuteranomaly

28.2199, 18.4764, 42.6364



Tritanomaly

41.7277, 22.6043, 18.3834

Monochromacy



Original Color

47.9716, 23.7429, 46.8542



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.5139, 11.5714, 21.6798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9716, 23.7429, 46.8542 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 183) }
```

Border

The CSS property to change the border of an element to XYZ 47.9716, 23.7429, 46.8542 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, 183) }
```


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

```
.border{ border-color:rgb(250, 0, 183) }
```

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, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 183);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9716, 23.7429, 46.8542 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, 183) }
```

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

```
.background{ background-color: rgb(250, 0,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor