

Converting Colors

XYZ(46.4415, 23.1267, 38.9840)

Have a look what the booklet for
XYZ(46.4415, 23.1267, 38.9840)
contains.

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Color

**XYZ(46.4922, 23.1511,
39.0640)**

Conversions

Conversions Part 1

Format	Color
Hex	FA00A8
RGB	250, 0, 168
RGB Percent	98%, 0%, 66%
CMY	0.0196, 0.9998, 0.3412
CMYK	0.00, 1.00, 0.33, 0.02
HSL	320°, 100%, 49%
HSV	320°, 100%, 98%
XYZ	46.4922, 23.1511, 39.0640
YIQ	93.9020, 95.0720, 105.2480

Conversions

Conversions Part 2

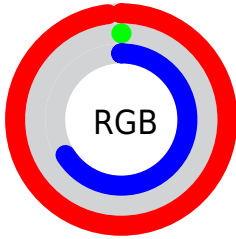
Format	Color
R_{YB}	250, 0, 168
Decimal	16384168
CIE _{Lab}	55.23, 86.94, -19.31
CIE _{LCh}	55, 89.061, 347.480
Yxy	23.1511, 0.4277, 0.2130
Android (android.graphics.Color)	4294574248 (0xFFFA00A8)
YUV	93.9020, 36.5303, 136.8979
Hunter-Lab	48.1156, 88.2752, -14.4553

Details

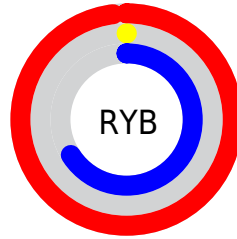
The XYZ color **46.4922, 23.1511, 39.0640** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **35.7115, 68.9817, 19.4264**, and the grayscale version is **10.5244, 11.0725, 12.0580**.

A 20% lighter version of the original color is **59.1165, 35.7021, 73.5874**, and **23.8914, 11.9523, 17.5708** is the 20% darker color. If you saturate the color by 10%, you get **46.4906, 23.1505, 39.0552**, and if you desaturate by 10%, it is **47.6297, 24.1643, 43.3331**.

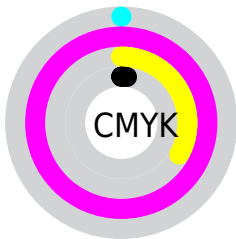
Distribution



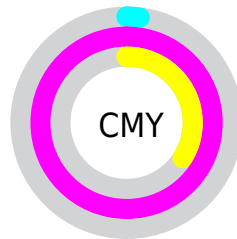
- Red (98%)
- Green (0%)
- Blue (66%)



- Red (98%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4922, 23.1511, 39.0640 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 46.4922, 23.1511, 39.0640 by changing the saturation by 10% instead.


 46.4922, 23.1511,
39.0640


 46.4922, 23.1511,
39.0640

363.4668,
268.5001, 357.5966

 32.8407, 14.7051,
26.5013


 84.1785, 48.6413,
74.9575


 22.1631, 8.6127,
16.9699


 108.9440, 66.4543,
99.1254


 14.0940, 4.4894,
10.0513


 138.1448, 88.1585,
127.9987

 8.2682, 1.9509,
5.3269

 172.1464,
114.1382, 161.9961

 4.3203, 0.5787,
2.3783

 211.3140,
144.7778, 201.5361

 1.8849, 0.0000,
0.7746

256.0130,

 0.5680, 0.0000,

180.4617, 247.0371

0.0000

306.6088,
221.5744, 298.9178

■ 0.0000, 0.0000,
0.0000

■ 46.4922, 23.1511,
39.0640

■ 46.4922, 23.1511,
39.0640

■ 46.4906, 23.1505,
39.0552

■ 47.6297, 24.1643,
43.3331

■ 49.2615, 26.0877,
48.0088

■ 51.5260, 29.1964,
53.1416

■ 54.5069, 33.6571,
58.7634

■ 58.2749, 39.6093,
64.9017

■ 62.8916, 47.1753,
71.5808

■ 68.4123, 56.4646,
78.8230

■ 74.8876, 67.5769,
86.6487

■ 82.3642, 80.6045,
95.0773

Harmonies

Analogous

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



39.3510, 23.1511, 83.4087



46.4922, 23.1511, 39.0640



45.7896, 23.1511, 12.0625

Triad

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



46.4922, 23.1511, 39.0640



16.7392, 23.1511, 0.7181



11.4337, 23.1511, 91.0837

Complementary

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



46.4922, 23.1511, 39.0640



35.7115, 68.9817, 19.4264

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.



8.3269, 23.1511, 45.5293



46.4922, 23.1511, 39.0640



10.6931, 23.1511, 3.3411

Square

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



46.4922, 23.1511, 39.0640



26.4223, 23.1511, 0.5787



8.1045, 23.1511, 15.0896



18.1086, 23.1511, 125.5946

Rectangle

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



46.4922, 23.1511, 39.0640



40.9676, 23.1511, 4.3966



8.1045, 23.1511, 15.0896



10.0378, 23.1511, 75.4700

Sweetspot

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



46.4929, 23.1524, 39.0644



71.5293, 59.0078, 82.4108



20.4975, 8.5744, 91.0173



14.7636, 11.7047, 16.9395



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.



46.4929, 23.1524, 39.0644



48.6233, 24.2133, 40.8099



39.9158, 20.5215, 4.4295



17.7367, 17.4220, 20.4692



24.7292, 12.3074, 21.0801



2.3392, 1.1594, 2.2095

Inverse Universe

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



46.4929, 23.1524, 39.0644



48.6233, 24.2133, 40.8099



45.1067, 72.7398, 68.9009



17.7367, 17.4220, 20.4692



24.7292, 12.3074, 21.0801



2.3392, 1.1594, 2.2095

Previews

White Background



This preview shows how the XYZ color 46.4922, 23.1511, 39.0640 looks on a white background.

Color Contrast Check

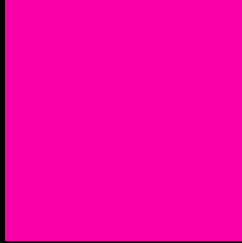
Large Text (above 18pt) WCAG AA ✓ Pass

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 46.4922, 23.1511, 39.0640 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 46.4922, 23.1511, 39.0640

Background



This preview shows how black text looks on a background with the XYZ color 46.4922, 23.1511, 39.0640.



This preview shows how white text looks on a background with the XYZ color 46.4922, 23.1511,

39.0640.

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

46.4922, 23.1511, 39.0640

Protanopia

27.1041, 24.0059, 85.6431

Deuteranopia

24.0601, 23.5505, 35.1759



Tritanopia

39.9845, 23.3808, 8.0357

Trichromacy



Original Color

46.4922, 23.1511, 39.0640



Protanomaly

26.3862, 16.7923, 65.4689



Deuteranomaly

27.6577, 18.1068, 35.7555



Tritanomaly

41.3838, 22.2687, 15.4817

Monochromacy



Original Color

46.4922, 23.1511, 39.0640



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

17.8295, 11.1915, 19.3096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4922, 23.1511, 39.0640 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(250, 0, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 0, 168) }
```

Border

The CSS property to change the border of an element to XYZ 46.4922, 23.1511, 39.0640 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, 168) }
```


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

```
.border{ border-color:rgb(250, 0, 168) }
```

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, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(250, 0,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4922, 23.1511, 39.0640 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, 168) }
```

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

```
.background{ background-color: rgb(250, 0,  
168) }
```

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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