

Converting Colors

XYZ(47.4034, 23.6177, 39.2502)

Have a look what the booklet for
XYZ(47.4034, 23.6177, 39.2502)
contains.

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Color

**XYZ(47.2128, 23.5226,
39.0977)**

Conversions

Conversions Part 1

Format	Color
Hex	FC00A8
RGB	252, 0, 168
RGB Percent	99%, 0%, 66%
CMY	0.0118, 0.9998, 0.3412
CMYK	0.00, 1.00, 0.33, 0.01
HSL	320°, 100%, 49%
HSV	320°, 100%, 99%
XYZ	47.2128, 23.5226, 39.0977
YIQ	94.5000, 96.2640, 105.6720

Conversions

Conversions Part 2

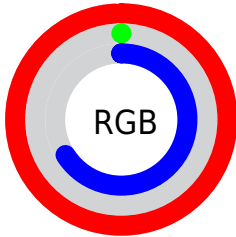
Format	Color
R_{YB}	252, 0, 168
Decimal	16515240
CIE _{Lab}	55.61, 87.33, -18.69
CIE _{LCh}	56, 89.313, 347.918
Yxy	23.5226, 0.4299, 0.2142
Android (android.graphics.Color)	4294705320 (0xFFFC00A8)
YUV	94.5000, 36.2355, 138.1275
Hunter-Lab	48.5001, 88.8870, -13.8458

Details

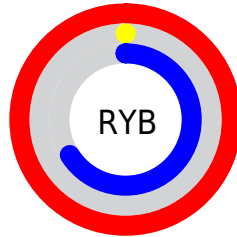
The XYZ color **47.2128, 23.5226, 39.0977** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **36.4137, 70.2623, 20.0422**, and the grayscale version is **10.6662, 11.2217, 12.2205**.

A 20% lighter version of the original color is **59.2130, 35.8951, 73.6196**, and **24.3876, 12.2081, 17.5940** is the 20% darker color. If you saturate the color by 10%, you get **47.2111, 23.5219, 39.0884**, and if you desaturate by 10%, it is **48.3745, 24.5524, 43.4727**.

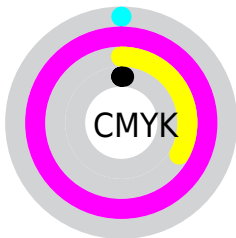
Distribution



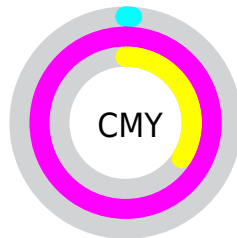
- Red (99%)
- Green (0%)
- Blue (66%)



- Red (99%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (33%)
- Black (1%)



- Cyan (1%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2128, 23.5226, 39.0977 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 47.2128, 23.5226, 39.0977 by changing the saturation by 10% instead.

47.2128, 23.5226,
39.0977

47.2128, 23.5226,
39.0977

366.2980,
270.3979, 357.7440

33.4126, 14.9799,
26.5273

85.2480, 49.2500,
75.0095

22.6034, 8.8053,
16.9893

110.2137, 67.2035,
99.1881

14.4200, 4.6144,
10.0650

139.6318, 89.0627,
128.0731

8.4970, 2.0228,
5.3359

173.8679,
115.2120, 162.0831

4.4691, 0.6207,
2.3835

213.2872,
146.0357, 201.6367

1.9708, 0.0000,
0.7774

258.2551,

0.6175, 0.0000,

181.9184, 247.1523

0.0000

309.1369,
223.2443, 299.0486

■ 0.0000, 0.0000,
0.0000

■ 47.2128, 23.5226,
39.0977

■ 47.2128, 23.5226,
39.0977

■ 47.2111, 23.5219,
39.0884

■ 48.3745, 24.5524,
43.4727

■ 50.0416, 26.5106,
48.2702

■ 52.3546, 29.6769,
53.5415

■ 55.3992, 34.2211,
59.3196

■ 59.2474, 40.2858,
65.6325

■ 63.9621, 47.9955,
72.5055

■ 69.5998, 57.4620,
79.9614

■ 76.2120, 68.7870,
88.0212

■ 83.8465, 82.0647,
96.7048

Harmonies

Analogous

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



40.0773, 23.5226, 83.8452



47.2128, 23.5226, 39.0977



46.3761, 23.5226, 12.0351

Triad

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



47.2128, 23.5226, 39.0977



16.9023, 23.5226, 0.7615



11.7095, 23.5226, 92.9798

Complementary

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



47.2128, 23.5226, 39.0977



36.4137, 70.2623, 20.0422

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.



8.5082, 23.5226, 46.8010



47.2128, 23.5226, 39.0977



10.8250, 23.5226, 3.5018

Square

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



47.2128, 23.5226, 39.0977



26.6711, 23.5226, 0.5970



8.2425, 23.5226, 15.6501



18.5361, 23.5226, 127.4809

Rectangle

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



47.2128, 23.5226, 39.0977



41.4301, 23.5226, 4.3889



8.2425, 23.5226, 15.6501



10.2755, 23.5226, 77.2062

Sweetspot

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



47.2135, 23.5239, 39.0981



71.4720, 58.9849, 82.1093



21.2310, 8.9162, 92.6977



14.7499, 11.6992, 16.8674



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.



47.2135, 23.5239, 39.0981



48.4939, 24.1615, 40.1283



40.5644, 20.8643, 4.0843



17.7326, 17.4204, 20.4477



24.6640, 12.2813, 20.7368



2.3335, 1.1571, 2.1795

Inverse Universe

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



47.2135, 23.5239, 39.0981



48.4939, 24.1615, 40.1283



46.4453, 74.2750, 72.8678



17.7326, 17.4204, 20.4477



24.6640, 12.2813, 20.7368



2.3335, 1.1571, 2.1795

Previews

White Background



This preview shows how the XYZ color 47.2128, 23.5226, 39.0977 looks on a white background.

Color Contrast Check

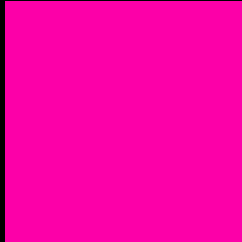
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.2128, 23.5226, 39.0977 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 47.2128, 23.5226, 39.0977

Background



This preview shows how black text looks on a background with the XYZ color 47.2128, 23.5226, 39.0977.



This preview shows how white text looks on a background with the XYZ color 47.2128, 23.5226,

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

47.2128, 23.5226, 39.0977

Protanopia

27.4118, 24.3629, 85.6958

Deuteranopia

24.5186, 23.9853, 35.2356



Tritanopia

40.6786, 23.7386, 8.0682

Trichromacy



Original Color

47.2128, 23.5226, 39.0977



Protanomaly

26.7325, 16.9708, 65.4851



Deuteranomaly

28.1167, 18.3434, 35.7769



Tritanomaly

42.0892, 22.6323, 15.5147

Monochromacy



Original Color

47.2128, 23.5226, 39.0977



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.0776, 11.3123, 19.6430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2128, 23.5226, 39.0977 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(252, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(252, 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(252, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 0, 168) }
```

Border

The CSS property to change the border of an element to XYZ 47.2128, 23.5226, 39.0977 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(252, 0, 168) }
```


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

```
.border{ border-color:rgb(252, 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(252, 0, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 0, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 0, 168);  
box-shadow:4px 4px 4px 4px rgb(252, 0,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2128, 23.5226, 39.0977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 0, 168) }
```

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

```
.background{ background-color: rgb(252, 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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