

Converting Colors

XYZ(47.8095, 23.8878, 36.5246)

Have a look what the booklet for
XYZ(47.8095, 23.8878, 36.5246)
contains.

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Color

**XYZ(47.8509, 23.9043,
36.7423)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00A3
RGB	255, 0, 163
RGB Percent	100%, 0%, 64%
CMY	0.0000, 0.9998, 0.3608
CMYK	0.00, 1.00, 0.36, 0.00
HSL	322°, 100%, 50%
HSV	322°, 100%, 100%
XYZ	47.8509, 23.9043, 36.7423
YIQ	94.8270, 99.6570, 104.7530

Conversions

Conversions Part 2

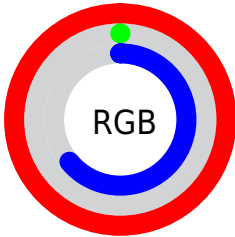
Format	Color
R_{YB}	255, 0, 163
Decimal	16711843
CIE _{Lab}	55.99, 87.45, -15.12
CIE _{LCh}	56, 88.747, 350.193
Yxy	23.9043, 0.4410, 0.2203
Android (android.graphics.Color)	4294901923 (0xFFFF00A3)
YUV	94.8270, 33.6093, 140.4717
Hunter-Lab	48.8920, 89.1379, -10.3320

Details

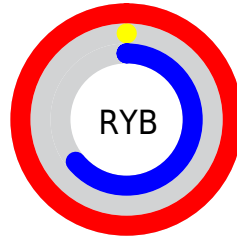
The XYZ color **47.8509, 23.9043, 36.7423** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **37.6950, 72.2941, 22.1058**, and the grayscale version is **10.7492, 11.3090, 12.3155**.

A 20% lighter version of the original color is **58.5486, 35.6293, 70.1210**, and **24.6075, 12.3542, 16.1266** is the 20% darker color. If you saturate the color by 10%, you get **47.8490, 23.9036, 36.7326**, and if you desaturate by 10%, it is **49.0655, 24.9657, 41.3645**.

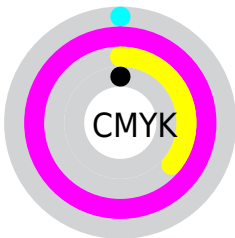
Distribution



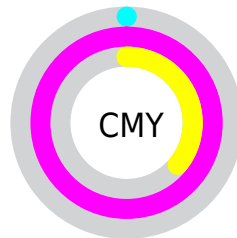
- Red (100%)
- Green (0%)
- Blue (64%)



- Red (100%)
- Yellow (0%)
- Blue (64%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.8509, 23.9043, 36.7423 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 47.8509, 23.9043, 36.7423 by changing the saturation by 10% instead.


 47.8509, 23.9043,
36.7423


 47.8509, 23.9043,
36.7423


368.7933,
272.3363, 347.3285

 33.9196, 15.2626,
24.7138


 86.1934, 49.8740,
71.3582


 22.9944, 9.0039,
15.6469


 111.3353, 67.9708,
94.7826


 14.7101, 4.7437,
9.1230


 140.9448, 89.9881,
122.8428

 8.7011, 2.0977,
4.7236

 175.3872,
116.3104, 155.9572

 4.6023, 0.6633,
2.0301

 215.0279,
147.3219, 194.5445

 2.0482, 0.0000,
0.5737

260.2322,

 0.6608, 0.0000,

183.4072, 239.0231

0.0000

311.3656,
224.9505, 289.8116

■ 0.0000, 0.0000,
0.0000

■ 47.8509, 23.9043,
36.7423

■ 47.8509, 23.9043,
36.7423

■ 47.8490, 23.9036,
36.7326

■ 49.0655, 24.9657,
41.3645

■ 50.8084, 26.9855,
46.4648

■ 53.2238, 30.2504,
52.0972

■ 56.4000, 34.9353,
58.2969

■ 60.4116, 41.1872,
65.0944

65.3234, 49.1345,
72.5166

71.1941, 58.8922,
80.5885

78.0767, 70.5653,
89.3329

86.0207, 84.2505,
98.7712

Harmonies

Analogous

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



41.2264, 23.9043, 80.6259



47.8509, 23.9043, 36.7423



46.3660, 23.9043, 11.1217

Triad

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



47.8509, 23.9043, 36.7423



16.6339, 23.9043, 0.9260



12.3859, 23.9043, 96.7840

Complementary

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



47.8509, 23.9043, 36.7423



37.6950, 72.2941, 22.1058

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.



8.8963, 23.9043, 50.4458



47.8509, 23.9043, 36.7423



10.7944, 23.9043, 4.1501

Square

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



47.8509, 23.9043, 36.7423



26.2051, 23.9043, 0.6354



8.4164, 23.9043, 17.6294



19.5590, 23.9043, 128.9006

Rectangle

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



47.8509, 23.9043, 36.7423



41.1011, 23.9043, 4.0661



8.4164, 23.9043, 17.6294



10.8458, 23.9043, 81.2390

Sweetspot

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



47.8515, 23.9056, 36.7427



71.1796, 58.8680, 80.5695



22.1981, 9.3594, 95.2443



14.6800, 11.6712, 16.4996



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.



47.8515, 23.9056, 36.7427



47.8490, 23.9036, 36.7326



41.5953, 21.4031, 3.7980



18.4981, 18.1826, 21.2404



25.0762, 12.5198, 19.5836



2.4939, 1.2399, 2.1824

Inverse Universe

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



47.8515, 23.9056, 36.7427



47.8490, 23.9036, 36.7326



48.2537, 76.5176, 77.7073



18.4981, 18.1826, 21.2404



25.0762, 12.5198, 19.5836



2.4939, 1.2399, 2.1824

Previews

White Background



This preview shows how the XYZ color 47.8509, 23.9043, 36.7423 looks on a white background.

Color Contrast Check

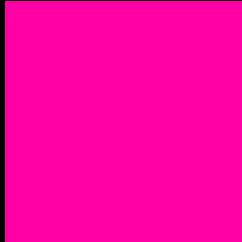
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.8509, 23.9043, 36.7423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

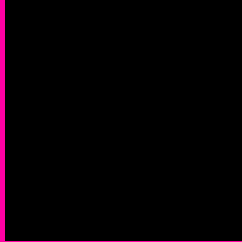
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.8509, 23.9043, 36.7423

Background



This preview shows how black text looks on a background with the XYZ color 47.8509, 23.9043, 36.7423.



This preview shows how white text looks on a background with the XYZ color 47.8509, 23.9043,

36.7423.

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

47.8509, 23.9043, 36.7423

Protanopia

27.2736, 24.6099, 80.4035

Deuteranopia

24.9033, 24.4322, 33.1091



Tritanopia

41.9134, 24.2118, 7.7744

Trichromacy



Original Color

47.8509, 23.9043, 36.7423



Protanomaly

27.3180, 17.4740, 61.6075



Deuteranomaly

28.4625, 18.6860, 33.5591



Tritanomaly

42.9749, 23.0544, 14.7553

Monochromacy



Original Color

47.8509, 23.9043, 36.7423



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

18.1429, 11.3601, 19.0058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8509, 23.9043, 36.7423 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(255, 0, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 163)  
}
```

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(255, 0, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 163) }
```

Border

The CSS property to change the border of an element to XYZ 47.8509, 23.9043, 36.7423 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(255, 0, 163) }
```


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

```
.border{ border-color:rgb(255, 0, 163) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8509, 23.9043, 36.7423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 163) }
```

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

```
.background{ background-color: rgb(255, 0,  
163) }
```

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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