

Converting Colors

XYZ(48.9636, 23.4248, 84.3796)

Have a look what the booklet for
XYZ(48.9636, 23.4248, 84.3796)
contains.

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Color

**XYZ(49.0069, 23.4471,
84.3809)**

Conversions

Conversions Part 1

Format	Color
Hex	E800F0
RGB	232, 0, 240
RGB Percent	91%, 0%, 94%
CMY	0.0902, 0.9999, 0.0588
CMYK	0.03, 1.00, 0.00, 0.06
HSL	298°, 100%, 47%
HSV	298°, 100%, 94%
XYZ	49.0069, 23.4471, 84.3809
YIQ	96.7280, 61.2320, 123.8240

Conversions

Conversions Part 2

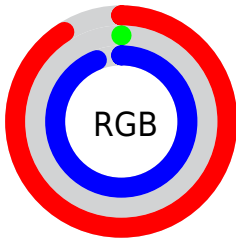
Format	Color
R _Y B	232, 0, 240
Decimal	15204592
CIE Lab	55.53, 92.62, -60.38
CIE LCh	56, 110.561, 326.899
Yxy	23.4471, 0.3125, 0.1495
Android (android.graphics.Color)	4293394672 (0xFFE800F0)
YUV	96.7280, 70.6331, 118.6335
Hunter-Lab	48.4222, 95.9165, -69.4237

Details

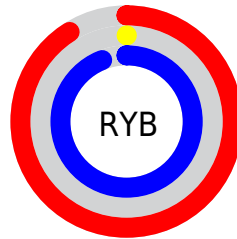
The XYZ color **49.0069, 23.4471, 84.3809** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **31.2610, 62.3724, 10.3925**, and the grayscale version is **11.1233, 11.7026, 12.7442**.

A 20% lighter version of the original color is **63.8472, 37.5943, 98.4991**, and **25.3418, 12.0768, 45.7951** is the 20% darker color. If you saturate the color by 10%, you get **49.0071, 23.4472, 84.3812**, and if you desaturate by 10%, it is **49.5952, 24.2363, 84.5026**.

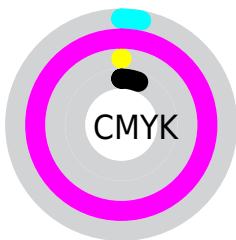
Distribution



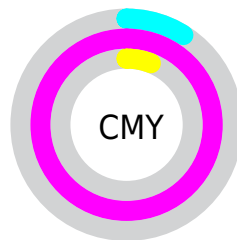
- Red (91%)
- Green (0%)
- Blue (94%)



- Red (91%)
- Yellow (0%)
- Blue (94%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)




- Cyan (9%)
- Magenta (100%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0069, 23.4471, 84.3809 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 49.0069, 23.4471, 84.3809 by changing the saturation by 10% instead.


 49.0069, 23.4471,
84.3809


 49.0069, 23.4471,
84.3809


373.2860,
270.0132, 529.6683


 34.8395, 14.9240,
62.7828


 87.9024, 49.1264,
141.3743


 23.7052, 8.7661,
45.2256


 113.3611, 67.0514,
177.6067


 15.2386, 4.5889,
31.2909


 143.3144, 88.8792,
219.5543

 9.0744, 2.0081,
20.5602

 178.1276,
114.9941, 267.6355

 4.8473, 0.6122,
12.6148

 218.1660,
145.7806, 322.2690

 2.1918, 0.0000,
7.0362

263.7949,

 0.7384, 0.0000,

181.6230, 383.8733

3.4060

315.3798,
222.9057, 452.8669

■ 0.0000, 0.0000,
1.3055

■ 0.0000, 0.0000,
0.0663

■ 49.0069, 23.4471,
84.3809

■ 49.0069, 23.4471,
84.3809

■ 49.0071, 23.4472,
84.3812

■ 49.5952, 24.2363,
84.5026

■ 50.5877, 25.8332,
84.7585

■ 52.1117, 28.4912,
85.1912

■ 54.2420, 32.3602,
85.8257

■ 57.0417, 37.5661,
86.6830

■ 60.5659, 44.2192,
87.7814

■ 64.8639, 52.4182,
89.1375

■ 69.9808, 62.2533,
90.7661

■ 75.9582, 73.8075,
92.6813

Harmonies

Analogous

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



34.9873, 23.4471, 148.7640



49.0069, 23.4471, 84.3809



55.8205, 23.4471, 29.4270

Triad

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



49.0069, 23.4471, 84.3809



23.6079, 23.4471, 0.0000



7.0137, 23.4471, 70.8966

Complementary

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



49.0069, 23.4471, 84.3809



31.2610, 62.3724, 10.3925

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.



5.8951, 23.4471, 21.9930



49.0069, 23.4471, 84.3809



13.1037, 23.4471, 0.0000

Square

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



49.0069, 23.4471, 84.3809



38.1101, 23.4471, 0.2183



7.6310, 23.4471, 3.3949



11.5895, 23.4471, 137.0583

Rectangle

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



49.0069, 23.4471, 84.3809



53.9961, 23.4471, 10.3202



7.6310, 23.4471, 3.3949



6.3169, 23.4471, 51.1422

Sweetspot

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



49.0079, 23.4482, 84.3814



74.3781, 60.0397, 102.2764



15.8159, 6.4660, 82.8529



15.4504, 11.9531, 21.7428



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.



49.0079, 23.4482, 84.3814



56.2317, 26.9034, 96.8369



39.8331, 20.0851, 22.2053



16.3991, 16.0030, 19.9462



26.8509, 12.8475, 46.1925



2.2500, 1.0772, 3.8435

Inverse Universe

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



35.9797, 18.5437, 1.9137



41.2866, 21.2786, 2.1752



34.0864, 63.4910, 25.7933



15.7942, 15.7674, 16.4722



19.7050, 10.1544, 1.0972



1.6467, 0.8477, 0.1305

Previews

White Background



This preview shows how the XYZ color 49.0069, 23.4471, 84.3809 looks on a white background.

Color Contrast Check

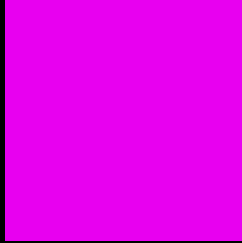
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.0069, 23.4471, 84.3809 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 49.0069, 23.4471, 84.3809

Background



This preview shows how black text looks on a background with the XYZ color 49.0069, 23.4471, 84.3809.



This preview shows how white text looks on a background with the XYZ color 49.0069, 23.4471,

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

49.0069, 23.4471, 84.3809

Protanopia

28.0192, 24.2094, 97.8038

Deuteranopia

24.9900, 24.1585, 75.2975



Tritanopia

34.6706, 23.5439, 15.0290

Trichromacy



Original Color

49.0069, 23.4471, 84.3809



Protanomaly

28.6608, 17.3737, 92.2854



Deuteranomaly

26.9575, 17.1709, 77.4948



Tritanomaly

37.4076, 21.0283, 31.7930

Monochromacy



Original Color

49.0069, 23.4471, 84.3809



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

19.0015, 11.7262, 29.6957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0069, 23.4471, 84.3809 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(232, 0, 240)` looks like.

```
.text, #text, p{  
    color:rgb(232, 0, 240)  
}
```

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(232, 0, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 0, 240) }
```

Border

The CSS property to change the border of an element to XYZ 49.0069, 23.4471, 84.3809 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(232, 0, 240) }
```


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

```
.border{ border-color:rgb(232, 0, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 0, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 0, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 0, 240);  
box-shadow:4px 4px 4px 4px rgb(232, 0,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0069, 23.4471, 84.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 0, 240) }
```

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

```
.background{ background-color: rgb(232, 0,  
240) }
```

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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