

Converting Colors

XYZ(49.2898, 24.7535, 71.8269)

Have a look what the booklet for
XYZ(49.2898, 24.7535, 71.8269)
contains.

XYZ(49.1802, 24.7069, 71.9889)	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(49.1802, 24.7069,
71.9889)**

Conversions

Conversions Part 1

Format	Color
Hex	EE23DF
RGB	238, 35, 223
RGB Percent	93%, 14%, 87%
CMY	0.0667, 0.8627, 0.1255
CMYK	0.00, 0.85, 0.06, 0.07
HSL	304°, 86%, 54%
HSV	304°, 85%, 93%
XYZ	49.1802, 24.7069, 71.9889
YIQ	117.1290, 60.6400, 101.5040

Conversions

Conversions Part 2

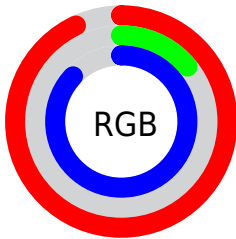
Format	Color
R _Y B	238, 35, 223
Decimal	15606751
CIE _{Lab}	56.79, 87.66, -48.74
CIE _{LCh}	57, 100.301, 330.929
Y _{xy}	24.7069, 0.3371, 0.1694
Android (android.graphics.Color)	4293796831 (0xFFEE23DF)
YUV	117.1290, 52.1944, 106.0039
Hunter-Lab	49.7060, 89.6261, -51.0751

Details

The XYZ color **49.1802, 24.7069, 71.9889** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **31.8446, 61.7378, 13.2577**, and the grayscale version is **16.7815, 17.6555, 19.2268**.

A 20% lighter version of the original color is **64.8659, 39.6319, 98.8386**, and **25.1065, 12.1371, 37.5787** is the 20% darker color. If you saturate the color by 10%, you get **48.4658, 23.6550, 70.5870**, and if you desaturate by 10%, it is **50.3726, 26.7095, 73.5627**.

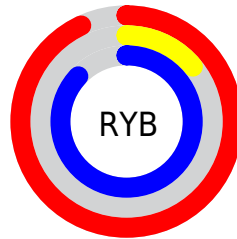
Distribution



Red (93%)

Green (14%)

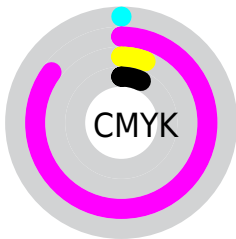
Blue (87%)



Red (93%)

Yellow (14%)

Blue (87%)

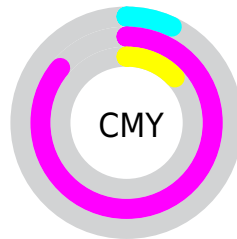


Cyan (0%)

Magenta (85%)

Yellow (6%)

Black (7%)



Cyan (7%)


Magenta (86%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1802, 24.7069, 71.9889 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 49.1802, 24.7069, 71.9889 by changing the saturation by 10% instead.

 49.1802, 24.7069,
71.9889

 49.1802, 24.7069,
71.9889


373.9565,
276.3751, 486.4795

 34.9776, 15.8588,
52.6628


 88.1581, 51.1813,
123.7483

 23.8120, 9.4243,
37.1478


 113.6642, 69.5765,
157.0188

 15.3182, 5.0190,
25.0253


 143.6687, 91.9228,
195.7744

 9.1308, 2.2584,
15.8767

 178.5371,
118.6046, 240.4338

 4.8844, 0.7516,
9.2835

 218.6347,
150.0063, 291.4154

 2.2136, 0.0000,
4.8272

264.3269,

 0.7499, 0.0000,

186.5124, 349.1379

2.0893

315.9791,
228.5072, 414.0197

■ 0.0000, 0.0000,
0.6094

■ 0.0000, 0.0000,
0.0000

■ 49.1802, 24.7069,
71.9889

■ 49.1802, 24.7069,
71.9889

■ 48.4658, 23.6550,
70.5870

■ 50.3726, 26.7095,
73.5627

■ 48.2333, 23.3666,
69.9651

■ 52.1230, 29.8248,
75.3344

■ 54.4994, 34.1883,
77.3271

■ 57.5597, 39.9154,
79.5600

61.3550, 47.1085,
82.0502

65.9314, 55.8601,
84.8131

71.3316, 66.2550,
87.8630

77.5948, 78.3720,
91.2130

84.7580, 92.2849,
94.8753

Harmonies

Analogous

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



37.0651, 24.7069, 128.8328



49.1802, 24.7069, 71.9889



53.9673, 24.7069, 25.8695

Triad

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



49.1802, 24.7069, 71.9889



23.1200, 24.7069, 0.0000



8.9774, 24.7069, 75.5364

Complementary

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



49.1802, 24.7069, 71.9889



31.8446, 61.7378, 13.2577

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.



7.3953, 24.7069, 27.9608



49.1802, 24.7069, 71.9889



13.7053, 24.7069, 0.8301

Square

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



49.1802, 24.7069, 71.9889



36.2144, 24.7069, 0.7164



8.7865, 24.7069, 6.1562



14.1517, 24.7069, 131.8264

Rectangle

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



49.1802, 24.7069, 71.9889



51.4258, 24.7069, 9.8131



8.7865, 24.7069, 6.1562



8.1032, 24.7069, 57.1458

Sweetspot

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



49.1811, 24.7081, 71.9894



76.6442, 64.4347, 98.9226



17.2792, 8.0179, 81.5267



15.9896, 12.9958, 20.9270



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.



49.1811, 24.7081, 71.9894



56.4029, 27.3252, 81.7768



39.4355, 20.8098, 20.6693



16.4009, 16.0101, 19.6674



26.9302, 13.0445, 39.1445



2.2553, 1.0912, 3.3352

Inverse Universe

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



49.1811, 24.7081, 71.9894



56.4029, 27.3252, 81.7768



36.7769, 63.7107, 39.2305



16.4009, 16.0101, 19.6674



26.9302, 13.0445, 39.1445



2.2553, 1.0912, 3.3352

Previews

White Background



This preview shows how the XYZ color 49.1802, 24.7069, 71.9889 looks on a white background.

Color Contrast Check

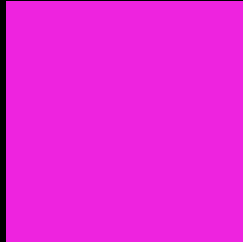
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.1802, 24.7069, 71.9889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

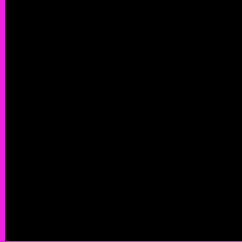
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 49.1802, 24.7069, 71.9889

Background



This preview shows how black text looks on a background with the XYZ color 49.1802, 24.7069, 71.9889.



This preview shows how white text looks on a background with the XYZ color 49.1802, 24.7069,

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

49.1802, 24.7069, 71.9889

Protanopia

28.9633, 25.2971, 97.9640

Deuteranopia

25.6925, 24.9708, 64.4385



Tritanopia

37.0831, 24.5437, 14.3382

Trichromacy



Original Color

49.1802, 24.7069, 71.9889



Protanomaly

29.8124, 19.8457, 87.0533



Deuteranomaly

29.3053, 20.3140, 66.6664



Tritanomaly

39.8443, 23.3126, 28.3864

Monochromacy



Original Color

49.1802, 24.7069, 71.9889



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

24.1069, 16.7938, 33.4234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1802, 24.7069, 71.9889 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(238, 35, 223)` looks like.

```
.text, #text, p{  
    color:rgb(238, 35, 223)  
}
```

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(238, 35, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 35, 223) }
```

Border

The CSS property to change the border of an element to XYZ 49.1802, 24.7069, 71.9889 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(238, 35, 223) }
```


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

```
.border{ border-color:rgb(238, 35, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 35, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 35, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 35, 223);  
box-shadow:4px 4px 4px 4px rgb(238, 35,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1802, 24.7069, 71.9889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 35, 223) }
```

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

```
.background{ background-color: rgb(238, 35,  
223) }
```

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