

Converting Colors

XYZ(47.9474, 24.6134, 73.8697)

Have a look what the booklet for
XYZ(47.9474, 24.6134, 73.8697)
contains.

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Color

**XYZ(47.9832, 24.6008,
74.1709)**

Conversions

Conversions Part 1

Format	Color
Hex	E82EE2
RGB	232, 46, 226
RGB Percent	91%, 18%, 89%
CMY	0.0902, 0.8196, 0.1137
CMYK	0.00, 0.80, 0.03, 0.09
HSL	302°, 80%, 55%
HSV	302°, 80%, 91%
XYZ	47.9832, 24.6008, 74.1709
YIQ	122.1340, 53.0760, 95.4120

Conversions

Conversions Part 2

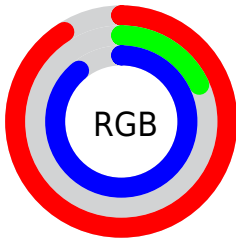
Format	Color
R _Y B	232, 46, 226
Decimal	15216354
CIE _{Lab}	56.68, 84.83, -50.66
CIE _{LCh}	57, 98.806, 329.156
Y _{xy}	24.6008, 0.3270, 0.1676
Android (android.graphics.Color)	4293406434 (0xFFE82EE2)
Y _{UV}	122.1340, 51.2059, 96.3525
Hunter-Lab	49.5992, 85.8857, -53.9431

Details

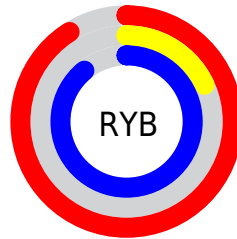
The XYZ color **47.9832, 24.6008, 74.1709** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **30.6044, 58.5432, 12.9373**, and the grayscale version is **18.3705, 19.3272, 21.0473**.

A 20% lighter version of the original color is **65.4207, 40.7415, 99.0236**, and **24.2690, 11.6729, 39.0042** is the 20% darker color. If you saturate the color by 10%, you get **47.2069, 23.2114, 73.4066**, and if you desaturate by 10%, it is **49.2509, 26.9706, 75.1015**.

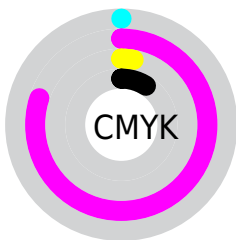
Distribution



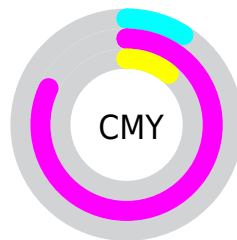
- Red (91%)
- Green (18%)
- Blue (89%)



- Red (91%)
- Yellow (18%)
- Blue (89%)



- Cyan (0%)
- Magenta (80%)
- Yellow (3%)
- Black (9%)





- Cyan (9%)
- Magenta (82%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9832, 24.6008, 74.1709 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 47.9832, 24.6008, 74.1709 by changing the saturation by 10% instead.

 47.9832, 24.6008,
74.1709


 47.9832, 24.6008,
74.1709

369.3092,
275.8440, 494.2422


 34.0248, 15.7799,
54.4363


 86.3892, 51.0089,
126.8743


 23.0756, 9.3685,
38.5550


 111.5676, 69.3648,
160.6802


 14.7704, 4.9823,
26.1086


 141.2166, 91.6679,
200.0136

 8.7436, 2.2369,
16.6784

 175.7016,
118.3025, 245.2931

 4.6301, 0.7400,
9.8459

 215.3880,
149.6530, 296.9371

 2.0644, 0.0000,
5.1927

260.6412,

 0.6698, 0.0000,

186.1038, 355.3643

2.3000

311.8265,
228.0394, 420.9931

■ 0.0000, 0.0000,
0.7312

■ 0.0000, 0.0000,
0.0000

■ 47.9832, 24.6008,
74.1709

■ 47.9832, 24.6008,
74.1709

■ 47.2069, 23.2114,
73.4066


■ 49.2509, 26.9706,
75.1015


■ 46.8038, 22.5659,
72.7771


■ 51.0760, 30.4555,
76.2201


■ 53.5177, 35.1727,
77.5463


■ 56.6267, 41.2238,
79.0973

 60.4486, 48.6998,
80.8880

 65.0247, 57.6838,
82.9324

 70.3936, 68.2524,
85.2433

 76.5908, 80.4771,
87.8326

 83.6500, 94.4249,
90.7113

Harmonies

Analogous

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



35.9009, 24.6008, 128.9578



47.9832, 24.6008, 74.1709



53.2113, 24.6008, 27.7307

Triad

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



47.9832, 24.6008, 74.1709



23.7099, 24.6008, 0.0000



8.8951, 24.6008, 71.0275

Complementary

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



47.9832, 24.6008, 74.1709



30.6044, 58.5432, 12.9373

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.



7.5043, 24.6008, 25.8632



47.9832, 24.6008, 74.1709



14.1757, 24.6008, 0.8001

Square

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



47.9832, 24.6008, 74.1709



36.6577, 24.6008, 0.9019



9.0673, 24.6008, 5.6640



13.7750, 24.6008, 126.3140

Rectangle

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



47.9832, 24.6008, 74.1709



51.1241, 24.6008, 10.9110



9.0673, 24.6008, 5.6640



8.0920, 24.6008, 53.4185

Sweetspot

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



47.9842, 24.6020, 74.1714



78.2210, 66.8481, 101.7299



16.8151, 8.4369, 77.0873



16.3134, 13.4660, 21.5821



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.



47.9842, 24.6020, 74.1714



58.1549, 28.2031, 90.4563



38.6939, 20.8859, 25.2498



14.9740, 14.6068, 18.0633



25.9928, 12.5313, 40.4525



1.9271, 0.9286, 3.0228

Inverse Universe

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



47.9842, 24.6020, 74.1714



58.1549, 28.2031, 90.4563



34.8747, 60.2514, 35.4247



14.9740, 14.6068, 18.0633



25.9928, 12.5313, 40.4525



1.9271, 0.9286, 3.0228

Previews

White Background



This preview shows how the XYZ color 47.9832, 24.6008, 74.1709 looks on a white background.

Color Contrast Check

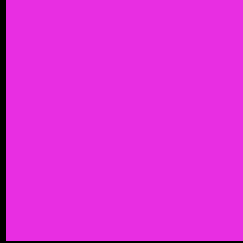
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.9832, 24.6008, 74.1709 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 47.9832, 24.6008, 74.1709

Background



This preview shows how black text looks on a background with the XYZ color 47.9832, 24.6008, 74.1709.



This preview shows how white text looks on a background with the XYZ color 47.9832, 24.6008,

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

47.9832, 24.6008, 74.1709

Protanopia

28.8918, 25.2603, 97.9607

Deuteranopia

25.5337, 24.8453, 66.4006



Tritanopia

35.8445, 24.4051, 15.6534

Trichromacy



Original Color

47.9832, 24.6008, 74.1709



Protanomaly

29.8849, 20.4282, 87.9559



Deuteranomaly

29.1822, 20.7822, 68.8030



Tritanomaly

38.8102, 23.4342, 30.4947

Monochromacy



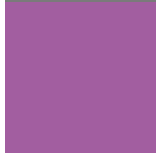
Original Color

47.9832, 24.6008, 74.1709



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

25.2482, 18.2249, 35.4447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9832, 24.6008, 74.1709 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, 46, 226)` looks like.

```
.text, #text, p{  
    color:rgb(232, 46, 226)  
}
```

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, 46, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 46, 226) }
```

Border

The CSS property to change the border of an element to XYZ 47.9832, 24.6008, 74.1709 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, 46, 226) }
```


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

```
.border{ border-color:rgb(232, 46, 226) }
```

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

Here you see how a box with a 4 pixel rgb(232, 46, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 46, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 46, 226);  
box-shadow:4px 4px 4px 4px rgb(232, 46,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9832, 24.6008, 74.1709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 46, 226) }
```

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

```
.background{ background-color: rgb(232, 46,  
226) }
```

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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