

Converting Colors

XYZ(48.9073, 24.6731, 41.2402)

Have a look what the booklet for
XYZ(48.9073, 24.6731, 41.2402)
contains.

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Color

**XYZ(48.9027, 24.6712,
41.2143)**

Conversions

Conversions Part 1

Format	Color
Hex	FF12AC
RGB	255, 18, 172
RGB Percent	100%, 7%, 67%
CMY	0.0000, 0.9292, 0.3255
CMYK	0.00, 0.93, 0.33, 0.00
HSL	321°, 100%, 54%
HSV	321°, 93%, 100%
XYZ	48.9027, 24.6712, 41.2143
YIQ	106.4190, 91.8180, 98.1380

Conversions

Conversions Part 2

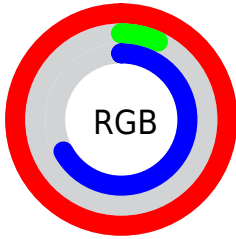
Format	Color
R _Y B	255, 18, 172
Decimal	16716460
CIE _{Lab}	56.75, 87.06, -19.24
CIE _{LCh}	57, 89.160, 347.540
Y _{xy}	24.6712, 0.4260, 0.2149
Android (android.graphics.Color)	4294906540 (0xFFFF12AC)
Y _{UV}	106.4190, 32.3314, 130.3055
Hunter-Lab	49.6701, 88.8194, -14.4274

Details

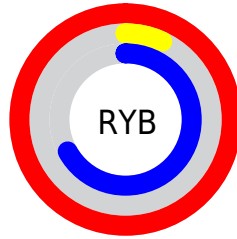
The XYZ color **48.9027, 24.6712, 41.2143** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **38.3613, 72.5894, 24.3120**, and the grayscale version is **13.7172, 14.4316, 15.7160**.

A 20% lighter version of the original color is **60.1567, 36.9092, 76.6266**, and **25.3825, 12.6935, 18.8816** is the 20% darker color. If you saturate the color by 10%, you get **48.0937, 24.0015, 38.0209**, and if you desaturate by 10%, it is **50.4573, 26.3609, 46.1084**.

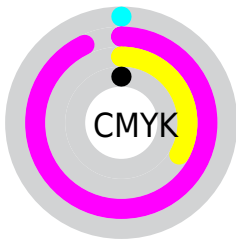
Distribution



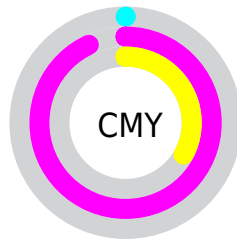
- Red (100%)
- Green (7%)
- Blue (67%)



- Red (100%)
- Yellow (7%)
- Blue (67%)



- Cyan (0%)
- Magenta (93%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (93%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9027, 24.6712, 41.2143 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 48.9027, 24.6712, 41.2143 by changing the saturation by 10% instead.

 48.9027, 24.6712,
41.2143

 48.9027, 24.6712,
41.2143


372.8825,
276.1965, 366.9186


 34.7565, 15.8323,
28.1656


 87.7485, 51.1233,
78.2663


 23.6410, 9.4055,
18.2104


 113.1789, 69.5053,
103.1067

 15.1908, 5.0066,
10.9302


 143.1013, 91.8370,
132.7147

 9.0406, 2.2512,
5.9063

 177.8812,
118.5030, 167.5090

 4.8250, 0.7477,
2.7203

 217.8839,
149.8875, 207.9079

 2.1787, 0.0000,
0.9536

263.4748,

 0.7315, 0.0000,

186.3750, 254.3302

0.0000

315.0192,
228.3499, 307.1942

■ 0.0000, 0.0000,
0.0000

■ 48.9027, 24.6712,
41.2143

■ 48.9027, 24.6712,
41.2143

■ 48.0937, 24.0015,
38.0209


■ 50.4573, 26.3609,
46.1084


■ 52.6502, 29.2332,
51.5051


■ 55.5763, 33.4763,
57.4412


■ 59.3133, 39.2438,
63.9479

■ 63.9287, 46.6690,
71.0527

 69.4824, 55.8704,
78.7803

 76.0292, 66.9556,
87.1537

 83.6191, 80.0237,
96.1943

 92.2991, 95.1666,
105.9223

Harmonies

Analogous

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



41.5163, 24.6712, 87.0551



48.9027, 24.6712, 41.2143



48.1577, 24.6712, 13.0339

Triad

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



48.9027, 24.6712, 41.2143



17.9233, 24.6712, 0.8975



12.3727, 24.6712, 95.1550

Complementary

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



48.9027, 24.6712, 41.2143



38.3613, 72.5894, 24.3120

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.



9.0811, 24.6712, 48.0872



48.9027, 24.6712, 41.2143



11.5723, 24.6712, 3.7806

Square

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



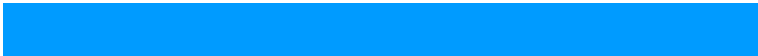
48.9027, 24.6712, 41.2143



28.0349, 24.6712, 0.7545



8.8395, 24.6712, 16.3021



19.3931, 24.6712, 130.5952

Rectangle

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



48.9027, 24.6712, 41.2143



43.1527, 24.6712, 4.8943



8.8395, 24.6712, 16.3021



10.8965, 24.6712, 79.0628

Sweetspot

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



48.9034, 24.6726, 41.2147



72.5791, 61.0877, 82.8217



23.6313, 10.4194, 95.3734



14.9513, 12.0914, 16.9674



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.



48.9034, 24.6726, 41.2147



48.0937, 24.0015, 38.0209



42.1132, 21.9565, 5.4577



18.5066, 18.1860, 21.2849



25.2034, 12.5706, 20.2533



2.5057, 1.2447, 2.2447

Inverse Universe

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



48.9034, 24.6726, 41.2147



48.0937, 24.0015, 38.0209



48.8566, 76.7876, 79.5797



18.5066, 18.1860, 21.2849



25.2034, 12.5706, 20.2533



2.5057, 1.2447, 2.2447

Previews

White Background



This preview shows how the XYZ color 48.9027, 24.6712, 41.2143 looks on a white background.

Color Contrast Check

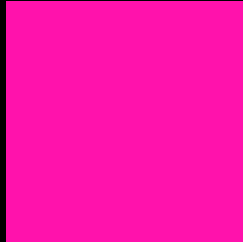
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.9027, 24.6712, 41.2143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

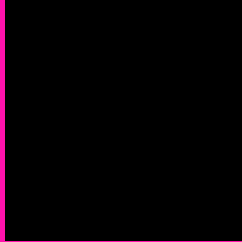
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.9027, 24.6712, 41.2143

Background



This preview shows how black text looks on a background with the XYZ color 48.9027, 24.6712, 41.2143.



This preview shows how white text looks on a background with the XYZ color 48.9027, 24.6712,

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

48.9027, 24.6712, 41.2143

Protanopia

28.4630, 25.2380, 88.9592

Deuteranopia

25.5177, 25.0772, 36.7532



Tritanopia

42.0092, 24.6806, 8.6806

Trichromacy



Original Color

48.9027, 24.6712, 41.2143



Protanomaly

28.4286, 18.7472, 68.4499



Deuteranomaly

29.5840, 20.1584, 37.4537



Tritanomaly

43.6310, 23.8731, 16.4957

Monochromacy



Original Color

48.9027, 24.6712, 41.2143



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

20.9752, 13.9828, 22.7125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9027, 24.6712, 41.2143 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, 18, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 18, 172)  
}
```

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, 18, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 18, 172) }
```

Border

The CSS property to change the border of an element to XYZ 48.9027, 24.6712, 41.2143 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, 18, 172) }
```


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

```
.border{ border-color:rgb(255, 18, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 18, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 18, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 18, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 18,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9027, 24.6712, 41.2143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 18, 172) }
```

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

```
.background{ background-color: rgb(255, 18,  
172) }
```

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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