

Converting Colors

XYZ(48.8193, 20.1524, 38.7061)

Have a look what the booklet for
XYZ(48.8193, 20.1524, 38.7061)
contains.

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Color

**XYZ(48.4014, 24.1246,
39.6416)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00A9
RGB	255, 0, 169
RGB Percent	100%, 0%, 66%
CMY	0.0000, 0.9998, 0.3373
CMYK	0.00, 1.00, 0.34, 0.00
HSL	320°, 100%, 50%
HSV	320°, 100%, 100%
XYZ	48.4014, 24.1246, 39.6416
YIQ	95.5110, 97.7310, 106.6190

Conversions

Conversions Part 2

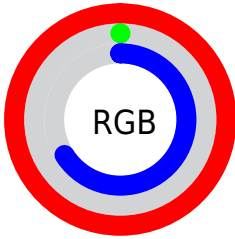
Format	Color
RYB	255, 0, 169
Decimal	16711849
CIELab	56.21, 88.02, -18.31
CIElCh	56, 89.903, 348.251
Yxy	24.1246, 0.4315, 0.2151
Android (android.graphics.Color)	4294901929 (0xFFFF00A9)
YUV	95.5110, 36.2301, 139.8719
Hunter-Lab	49.1168, 89.9457, -13.4705

Details

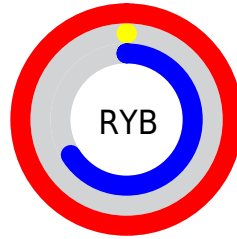
The XYZ color **48.4014, 24.1246, 39.6416** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **37.4430, 72.1933, 20.7787**, and the grayscale version is **10.9077, 11.4757, 12.4971**.

A 20% lighter version of the original color is **59.3482, 35.9492, 74.3319**, and **24.9491, 12.4908, 17.9256** is the 20% darker color. If you saturate the color by 10%, you get **48.3994, 24.1238, 39.6311**, and if you desaturate by 10%, it is **49.5958, 25.1780, 44.1564**.

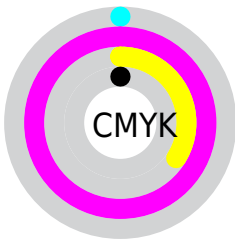
Distribution



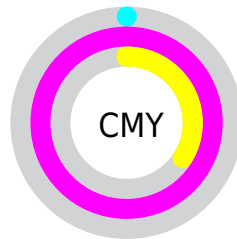
- Red (100%)
- Green (0%)
- Blue (66%)



- Red (100%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (34%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4014, 24.1246, 39.6416 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 48.4014, 24.1246, 39.6416 by changing the saturation by 10% instead.

 48.4014, 24.1246,
39.6416


 48.4014, 24.1246,
39.6416


370.9371,
273.4498, 360.1177

 34.3574, 15.4261,
26.9476


 87.0078, 50.2335,
75.8486


 23.3325, 9.1190,
17.3017


 112.3010, 68.4126,
100.1985


 14.9613, 4.8189,
10.2856


 142.0747, 90.5207,
129.2709

 8.8784, 2.1414,
5.4807

 176.6941,
116.9422, 163.4843

 4.7184, 0.6877,
2.4683

 216.5247,
148.0614, 203.2571

 2.1160, 0.0000,
0.8233

261.9319,

 0.6979, 0.0000,

184.2629, 249.0079

0.0000

313.2809,
225.9309, 301.1552

■ 0.0000, 0.0000,
0.0000

■ 48.4014, 24.1246,
39.6416

■ 48.4014, 24.1246,
39.6416

■ 48.3994, 24.1238,
39.6311

■ 49.5958, 25.1780,
44.1564

■ 51.3113, 27.1871,
49.1117

■ 53.6919, 30.4383,
54.5605

■ 56.8259, 35.1066,
60.5369

■ 60.7874, 41.3388,
67.0699

65.6413, 49.2632,
74.1857

71.4457, 58.9947,
81.9078

78.2537, 70.6383,
90.2583

86.1145, 84.2907,
99.2576

Harmonies

Analogous

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



41.1768, 24.1246, 85.2949



48.4014, 24.1246, 39.6416



47.4480, 24.1246, 12.1732

Triad

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



48.4014, 24.1246, 39.6416



17.2532, 24.1246, 0.8066



12.0811, 24.1246, 95.6980

Complementary

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



48.4014, 24.1246, 39.6416



37.4430, 72.1933, 20.7787

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.



8.7632, 24.1246, 48.4219



48.4014, 24.1246, 39.6416



11.0712, 24.1246, 3.6761

Square

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



48.4014, 24.1246, 39.6416



27.2181, 24.1246, 0.6221



8.4596, 24.1246, 16.3009



19.1172, 24.1246, 130.6435

Rectangle

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



48.4014, 24.1246, 39.6416



42.3394, 24.1246, 4.4410



8.4596, 24.1246, 16.3009



10.5983, 24.1246, 79.5919

Sweetspot

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



48.4021, 24.1260, 39.6420



71.4300, 58.9681, 81.8878



21.8009, 9.1547, 95.2257



14.7398, 11.6952, 16.8145



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.



48.4021, 24.1260, 39.6420



48.3995, 24.1238, 39.6312



41.6686, 21.4325, 4.1835



18.5169, 18.1901, 21.3393



25.3622, 12.6342, 21.0899



2.5204, 1.2506, 2.3221

Inverse Universe

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



48.4021, 24.1260, 39.6420



48.3995, 24.1238, 39.6312



47.7090, 76.2996, 74.8384



18.5169, 18.1901, 21.3393



25.3622, 12.6342, 21.0899



2.5204, 1.2506, 2.3221

Previews

White Background



This preview shows how the XYZ color 48.4014, 24.1246, 39.6416 looks on a white background.

Color Contrast Check

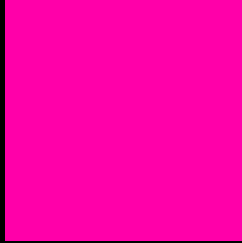
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.4014, 24.1246, 39.6416 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 48.4014, 24.1246, 39.6416

Background



This preview shows how black text looks on a background with the XYZ color 48.4014, 24.1246, 39.6416.



This preview shows how white text looks on a background with the XYZ color 48.4014, 24.1246,

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

48.4014, 24.1246, 39.6416

Protanopia

28.1609, 25.1172, 87.3683

Deuteranopia

25.1208, 24.6983, 35.3415



Tritanopia

41.7927, 24.4004, 8.1373

Trichromacy



Original Color

48.4014, 24.1246, 39.6416



Protanomaly

27.5469, 17.6063, 66.2365



Deuteranomaly

28.7376, 18.8940, 35.8505



Tritanomaly

43.1973, 23.2569, 15.5769

Monochromacy



Original Color

48.4014, 24.1246, 39.6416



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

18.5703, 11.6376, 20.0064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4014, 24.1246, 39.6416 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 169) }
```

Border

The CSS property to change the border of an element to XYZ 48.4014, 24.1246, 39.6416 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, 169) }
```


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

```
.border{ border-color:rgb(255, 0, 169) }
```

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, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4014, 24.1246, 39.6416 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, 169) }
```

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

```
.background{ background-color: rgb(255, 0,  
169) }
```

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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