

Converting Colors

XYZ(49.1050, 24.7026, 42.4323)

Have a look what the booklet for
XYZ(49.1050, 24.7026, 42.4323)
contains.

| | |
|--|----|
| XYZ(49.0653, 24.6866, 42.2234) | 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(49.0653, 24.6866,
42.2234)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | FF10AE |
| RGB | 255, 16, 174 |
| RGB Percent | 100%, 6%, 68% |
| CMY | 0.0000, 0.9371, 0.3176 |
| CMYK | 0.00, 0.94, 0.32, 0.00 |
| HSL | 320°, 100%, 53% |
| HSV | 320°, 94%, 100% |
| XYZ | 49.0653, 24.6866, 42.2234 |
| YIQ | 105.4730, 91.7260, 99.8060 |

Conversions

Conversions Part 2

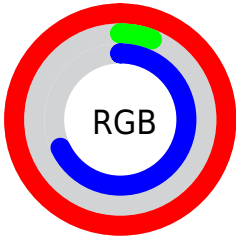
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 255, 16, 174 |
| Decimal | 16715950 |
| CIE _{Lab} | 56.77, 87.44, -20.38 |
| CIE _{LCh} | 57, 89.782, 346.878 |
| Yxy | 24.6866, 0.4231, 0.2129 |
| Android (android.graphics.Color) | 4294906030 (0xFFFF10AE) |
| YUV | 105.4730, 33.7838, 131.1352 |
| Hunter-Lab | 49.6856, 89.3217, -15.6054 |

Details

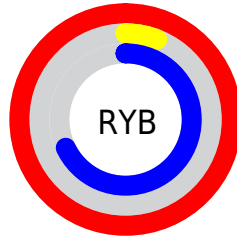
The XYZ color **49.0653, 24.6866, 42.2234** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **38.1342, 72.4945, 23.3032**, and the grayscale version is **13.4560, 14.1567, 15.4167**.

A 20% lighter version of the original color is **60.5745, 37.0763, 78.8267**, and **25.4435, 12.7179, 19.2029** is the 20% darker color. If you saturate the color by 10%, you get **48.3603, 24.1081, 39.4251**, and if you desaturate by 10%, it is **50.5622, 26.2880, 47.0150**.

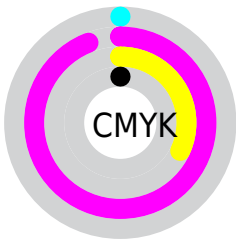
Distribution



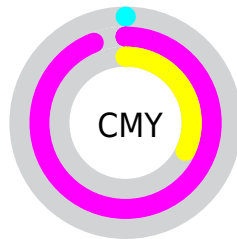
- Red (100%)
- Green (6%)
- Blue (68%)



- Red (100%)
- Yellow (6%)
- Blue (68%)



- Cyan (0%)
- Magenta (94%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0653, 24.6866, 42.2234 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 49.0653, 24.6866, 42.2234 by changing the saturation by 10% instead.

 49.0653, 24.6866,
42.2234


 49.0653, 24.6866,
42.2234

373.5120,
276.2736, 371.2351


 34.8860, 15.8437,
28.9494


 87.9886, 51.1483,
79.8114


 23.7412, 9.4136,
18.7973


 113.4633, 69.5360,
104.9624


 15.2654, 5.0119,
11.3486


 143.4339, 91.8740,
134.9095

 9.0934, 2.2543,
6.1847

 178.2656,
118.5468, 170.0712

 4.8598, 0.7493,
2.8871

 218.3240,
149.9388, 210.8661

 2.1991, 0.0000,
1.0373

263.9743,

 0.7423, 0.0000,

186.4343, 257.7127

0.0000

315.5818,
228.4177, 311.0295

■ 0.0000, 0.0000,
0.0000

■ 49.0653, 24.6866,
42.2234

■ 49.0653, 24.6866,
42.2234

■ 48.3603, 24.1081,
39.4251

■ 50.5622, 26.2880,
47.0150

■ 52.6856, 29.0540,
52.2878

■ 55.5319, 33.1760,
58.0787

■ 59.1799, 38.8100,
64.4186

■ 63.6975, 46.0902,
71.3346

69.1451, 55.1363,
78.8514

75.5777, 66.0564,
86.9914

83.0456, 78.9503,
95.7758

91.5958, 93.9105,
105.2242

Harmonies

Analogous

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



41.4573, 24.6866, 88.7643



49.0653, 24.6866, 42.2234



48.5084, 24.6866, 13.3654

Triad

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



49.0653, 24.6866, 42.2234



18.0866, 24.6866, 0.8363



12.2100, 24.6866, 94.8286

Complementary

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



49.0653, 24.6866, 42.2234



38.1342, 72.4945, 23.3032

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.



8.9819, 24.6866, 47.3555



49.0653, 24.6866, 42.2234



11.6158, 24.6866, 3.5834

Square

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



49.0653, 24.6866, 42.2234



28.3418, 24.6866, 0.7299



8.8029, 24.6866, 15.7921



19.1804, 24.6866, 131.3423

Rectangle

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



49.0653, 24.6866, 42.2234



43.5534, 24.6866, 4.9925



8.8029, 24.6866, 15.7921



10.7551, 24.6866, 78.5097

Sweetspot

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



49.0660, 24.6879, 42.2238



72.6927, 61.1331, 83.4198



23.0280, 10.0623, 95.3363



14.9787, 12.1024, 17.1119



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.



49.0660, 24.6879, 42.2238



48.3603, 24.1081, 39.4251



42.1366, 21.9162, 5.7343



18.5156, 18.1896, 21.3324



25.3419, 12.6261, 20.9828



2.5186, 1.2498, 2.3122

Inverse Universe

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



49.0660, 24.6879, 42.2238



48.3603, 24.1081, 39.4251



48.2626, 76.5458, 76.6385



18.5156, 18.1896, 21.3324



25.3419, 12.6261, 20.9828



2.5186, 1.2498, 2.3122

Previews

White Background



This preview shows how the XYZ color 49.0653, 24.6866, 42.2234 looks on a white background.

Color Contrast Check

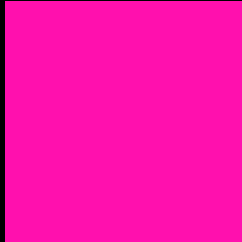
Large Text (above 18pt) WCAG AA ✓ Pass

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 49.0653, 24.6866, 42.2234 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 49.0653, 24.6866, 42.2234

Background



This preview shows how black text looks on a background with the XYZ color 49.0653, 24.6866, 42.2234.



This preview shows how white text looks on a background with the XYZ color 49.0653, 24.6866,

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

49.0653, 24.6866, 42.2234

Protanopia

28.6557, 25.2843, 91.3657

Deuteranopia

25.5279, 25.0621, 37.6744



Tritanopia

42.1042, 24.8178, 8.8745

Trichromacy



Original Color

49.0653, 24.6866, 42.2234



Protanomaly

28.2515, 18.4994, 69.7919



Deuteranomaly

29.6801, 20.0591, 38.3839



Tritanomaly

43.7387, 23.9162, 17.0629

Monochromacy



Original Color

49.0653, 24.6866, 42.2234



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

20.9090, 13.8504, 22.6905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0653, 24.6866, 42.2234 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, 16, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 16, 174)  
}
```

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, 16, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 16, 174) }
```

Border

The CSS property to change the border of an element to XYZ 49.0653, 24.6866, 42.2234 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, 16, 174) }
```


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

```
.border{ border-color:rgb(255, 16, 174) }
```

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

Here you see how a box with a 4 pixel rgb(255, 16, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 16, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 16, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 16,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0653, 24.6866, 42.2234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 16, 174) }
```

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

```
.background{ background-color: rgb(255, 16,  
174) }
```

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